

Nikon F-401s

FAA21052

QUARTZ DATE

FAA21252

N4004s

FAA21152

REPAIR MANUAL

Nikon | **NIKON CORPORATION**
Tokyo, Japan

© Copyright 1989
ALL RIGHTS RESERVED
無断転載を禁ず !!

目 次

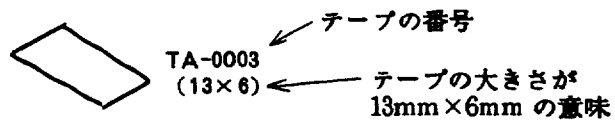
1. 仕 様	M1 ~ M19
2. 実体配線図	E1
3. 回 路 図	E2
4. メイン FPC 電気部品配置図	E3
5. 展 開 図	F1 ~ F14
6. 部 品 表	P1 ~

CONTENTS

1. Specifications	M1 ~ M19
2. Wiring Diagram	E1
3. Circuit Diagram	E2
4. MAIN FPC	
Electric parts locations	E3
5. Exploded Drawings	F1 ~ F14
6. Parts List	P1 ~

注 意 事 項

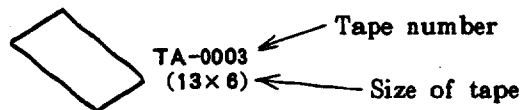
1. 展開図の中で使われているテープの番号（例：TA-0003）は、配布済みのサービス技報（No. 88-12号）を参照のこと。
2. テープの番号の下にある数字 例：（13×6）はテープの大きさを表している。単位は mm



3. コード整理用テープの貼付け箇所は現品参照のこと。

NOTE :

1. Refer to the technical information already sent as for the number of the tapes (ex. TA-0003) used in the exploded drawings.
2. Numbers (ex. 13×6) described under the tape numbers are sizes of the tapes. (Unit: mm)



3. Refer to the camera as to the position of tapes for arrangement of lead wires.

SPECIFICATIONS

1. Outline

- Name:** Nikon F-401s (FAA21052)
Nikon F-401s QUARTZ DATE (FAA21252)
Nikon N4004s (FAA21152) * for North America
- Purpose:** F-401s/N4004s has been developed in order to enhance the competitive power in the market by further improving the F-401/N4004.
- Difference from F-401/N4004:**
- (1) Advanced AM200 is employed as an AF sensor.
 - (2) AF metering range: EV-1 ~ EV17
 - (3) A, L and S positions on aperture dial and shutter speed dial are locked.
 - (4) Letters on dials are larger and acryl cover is clearer to improve the visibility.
 - (5) Shutter release button is taller and its shape is same as that of F-801/N8008 to make the pre-release feeling clear.
 - (6) Film advance signal and its window are modified.
 - (7) Self-timer LED display is changed.
 - (8) Nikon Logo and other parts are changed.
- Features:**
- (1) Built-in autofocus detection by phase-contrast detection system (advanced AM200)
 - (2) New AF lenses focused by the AF motor in the camera
 - (3) All information from the CPU in new AF lenses transmitted to the camera
 - (4) Built-in auto TTL flash (External flash unit is also usable.)
 - (5) Built-in AMP (for daylight flash and dim light flash firing)
 - (6) Auto film advance and power rewind with a sequence motor
 - (7) Easy-loading mechanism for automatic film loading
 - (8) Four exposure metering modes available: P, S, A and M
In P mode, one of two program modes is automatically selected depending on the focal length of the lens in use.
 - (9) TTL auto flash control possible
 - (10) In P or S mode, program flash in which the camera automatically controls the aperture is possible.
 - (11) Automatic film speed setting when DX-coded film is used
 - (12) Capable of distance measurement by using AF illuminator when light intensity is low (with external flash SB-20, 22, 23 or 24)

2. Specifications

Type of camera:	Lens interchangeable, autofocus 35mm single-lens reflex with built-in motor drive
Picture size:	24mm × 36mm
Usable film:	Cartridge-type 35mm film (DX/non-DX-coded film)
Usable lens:	(1) New AF Nikkor lenses with AF contacts (2) When lens without AF contacts is mounted: <ul style="list-style-type: none"> a) Exposure indicator goes out. b) Both focusing and flash indicators light up. (but no light-insufficient warning) c) Shutter release is possible. (but locked when shutter speed dial is set to A or aperture dial to S) * Same as above when a lens is not mounted
Standard lens:	New AF Nikkor lens 50mm F1.8 lens or New AF Zoom Nikkor 35-70mm F3.3-4.5 lens
Full aperture exposure compensation:	CPU control system
Lens mount:	Nikon F mount
Shutter:	SEIKO MFD Electronically controlled vertical travel focal-plane shutter (2 Mg type), plastic shutter blades employed in combination with metal shutter blades
Exposure control mode:	(1) Programmed exposure (P mode) (2) Shutter priority auto exposure (S mode) (3) Aperture priority auto exposure (A mode) (4) Manual exposure (M mode)

Electronic circuits:	(1) HD63B05Z	CPU
	(2) M51066	Decoder driver
	(3) M51063	Light metering IC
	(4) μ PD3581K	CCD
	(5) CXK1005	EEPROM
	(6) MB4436	CCD I/F

AF detection system: TTL distance metering is made by Nikon's own AM200 phase-contrast detection system. The electrical signal from 200 CCD line sensors (100×2) in the sensor module, which is in the same position as the film plane, but below the mirror, is converted from analog to digital data by CPU. According to the program, the CPU calculates digital data and outputs the focus difference from the focal plane as a predicted defocus value.

AF lens travel: AF lens is driven and focused by the AF motor in the camera through the coupling on the mount. AF lens can be driven by depressing the shutter release button halfway.

Servo mechanism: By comparing the output value from the digital encoder in the camera with a predicted defocus value calculated by the CPU, the new AF system drives the lens to correct focusing position and stops. As the lens comes closer to the correct focusing position, the lens driving speed of the motor slows down by four steps and the motor stops at the correct focusing point.

(1) **AF servo mode (Single servo AF mode)** In this mode, the AF lens driving stops once the subject is correctly focused. When depressing the shutter release button halfway, power is on and the AF lens is driven and stops when the subject is correctly focused. Unless the subject is correctly focused, the shutter cannot be released.

By removing the finger from shutter release button and depressing the button halfway once again, the AF lens is driven again and stops when correctly focused.

(2) **Manual focus mode (focus assist mode)** Focus assist mode (FA) which enable the operator to rotate the lens focusing ring manually referring to the focus indicator in the viewfinder without using autofocus. The focus indicator display does not disappear while the pre-release timer is activated. By turning the focus mode selector to M, manual focusing using the focusing ring becomes possible.

Mounting contacts: Electrical contacts on the upper inside of the body mount transmit signals from the lens to the body. Detailed usage of the contacts is as follows:

Usage	Contact A	B	C	D	E	F	G
AF lens	Vcc 1	R/W1	CLK	SI/SO			GND

Contacts A-G are arranged from left to right observed from the front of the body.

F number required for focus detection: F5.6 or larger

Brightness for focus detection: Approx. EV-1 ~ EV17 (at ISO 100 and normal temperature)

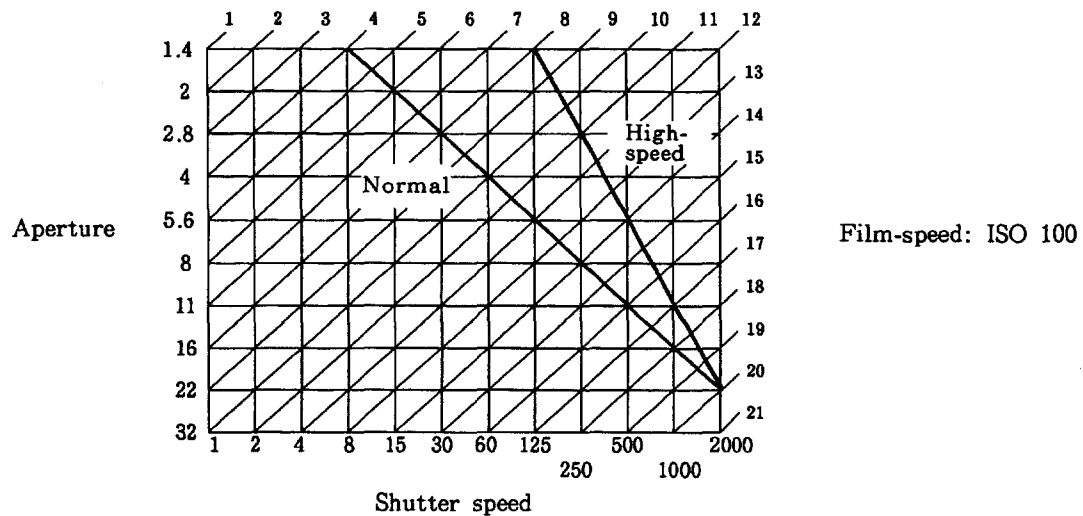
Focusing range: Approx. $\pm 150 \mu\text{m}$ within which the correct focus indicator lights up in the viewfinder

AF illuminator photography: When taking pictures in the single servo AF mode under low-light conditions, AF illumination photography becomes possible when the SB-20, 22, 23 or 24 is mounted. With these speedlight units in any mode, including TTL, A or M, with an AF lens mounted, the AF illuminator lights up when the shutter release button is depressed halfway, and autofocus detection takes place and drives the AF lens. The AF illuminator lights up until the in-focus indicator appears. However, the AF illuminator goes out if the subject cannot be correctly focused. When pressing the shutter release button halfway after removing the finger from the shutter release button once, the AF illuminator lights up again.

Exposure control

(1) Programmed exposure mode

One of two programs, i. e. normal or high-speed program, is automatically selected. Set the shutter speed dial to A and the aperture dial to S, and the lens to its minimum aperture. When the lens focal length is shorter than 135mm, the normal program is selected; when it is 135mm or longer, the high-speed program is selected. The correct exposure LED indicator in the viewfinder lights up when the exposure is correct.



(2) Shutter-priority exposure mode

After setting the lens to its minimum aperture, the aperture dial to S, and the shutter speed dial to a particular speed (1, 2, ... 2000), press the shutter release button. Depending on the film speed, the aperture is automatically controlled to the optimum exposure to match the shutter speed and the brightness of the subject. When the correct exposure is obtained, the correct exposure LED indicator in the viewfinder lights up.

(3) Aperture-priority exposure mode

After setting the lens to its minimum aperture, the shutter dial to A, and the aperture dial to a particular aperture (•, 1.4, •, 2 ... 32), press the shutter release button. Depending on the film speed, the shutter speed is automatically controlled to the optimum exposure to match the aperture and the brightness of the subject. (The dots on the aperture scale indicate half f/stops.) When the correct exposure is obtained, the correct exposure LED indicator in the viewfinder lights up. The shutter speed is controlled continuously within the range of 1 to 1/2000 seconds.

(4) Manual exposure mode

After setting the lens to its minimum aperture, the shutter dial to a particular speed (1, 2, ... 2000), and the aperture dial to a particular aperture (•, 1.4, •, 2 ... 32), depress the shutter release button halfway. Depending on the film speed and the brightness of the subject, one of the following indications appears.

1. Correct exposure: LED correct exposure indicator in the viewfinder lights up.
2. Overexposure : LED overexposure indicator lights up.
3. Underexposure : LED underexposure indicator lights up.

When pressing the shutter release button after setting the shutter speed dial to B, the camera enters the electronically-controlled bulb mode and the LED exposure indicators go out.

(5) Program flash mode

When taking photographs in P or S exposure mode under conditions of lower than BV5, after mounting an AF lens, setting the built-in flash or external flash units (SB-15, 16B, 18, 20, 22, 23 or 24) to the TTL mode, and setting the aperture to the minimum, the quantity of light can be controlled to the optimum preset aperture value for the film speed and then TTL flash control is executed.

Immediately after the built-in flash is raised or the power of an external flash is turned on, the shutter speed will be set to 1/100 sec. automatically.

(However, when the shutter speed is set at B or 1~1/60 sec. in the S mode, the shutter speed is set as is.)

(6) Daylight flash mode

When taking photographs in P or S exposure mode with the background brighter than BV5, after mounting an AF lens, setting the built-in flash or external flash unit (SB-15, 16B, 18, 20, 22, 23 or 24) to the TTL mode, and setting aperture to its minimum, the quantity of light can be controlled to its optimum preset aperture value for the film speed and the intensity of backlighting on the subject. Then, TTL flash control is executed. The shutter speed is controlled at 1/100 sec. automatically. (However, when the shutter speed is set at B or 1~1/60 sec. in the S mode, the shutter speed is set as is.)

(7) Auto exposure control in program flash mode

- a) With the following combinations, after selecting the optimum aperture, the flash output is controlled in the TTL mode.

Flash unit : SB-15, 16B, 18, 20, 22, 23 or 24
(speedlight provided with TTL mode)

Lens : New AF Nikkor lens

Exposure mode: P or S mode

The above function is called Program Flash mode (SBP).

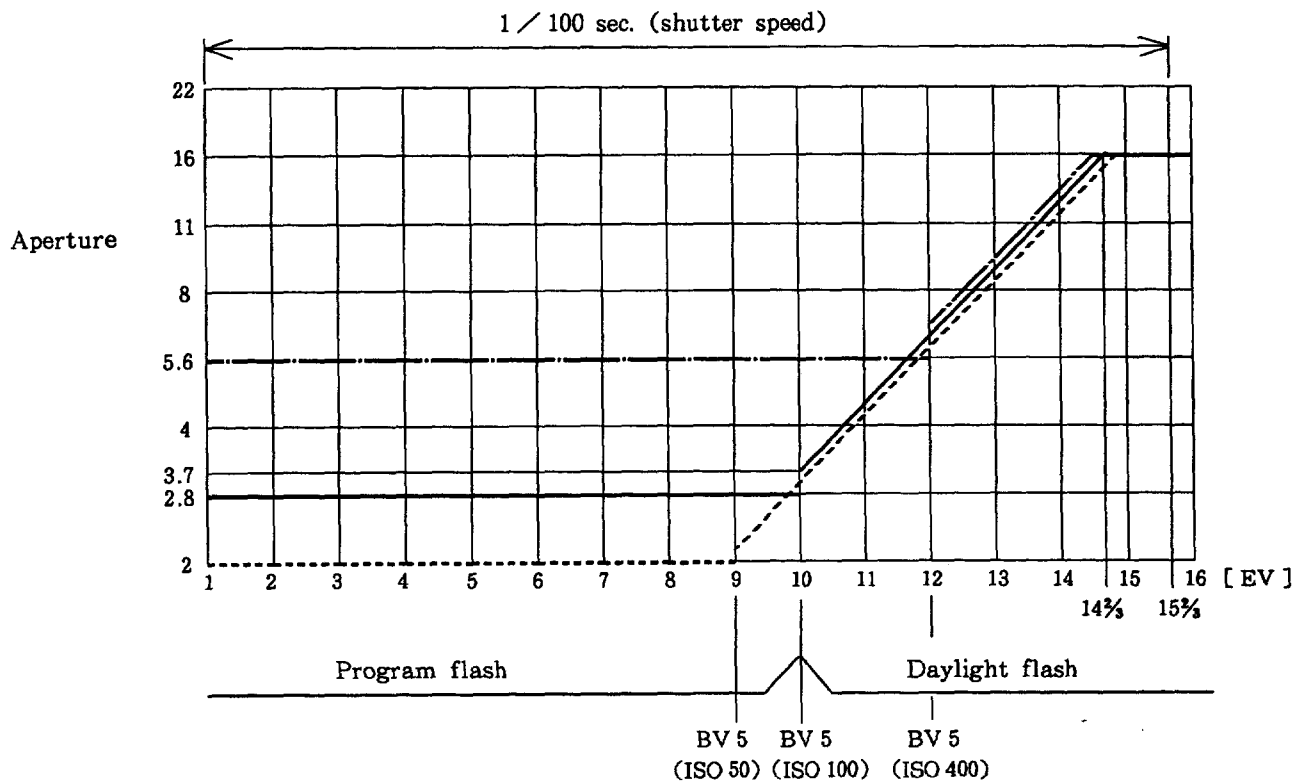
- b) The aperture is controlled by position controller which counts the number of pulses after the aperture coupling lever moves. The aperture control value varies according to the ISO film speed and the maximum aperture of the lens. Refer to the following aperture value. (The TTL mode is possible up to ISO 400.)

ISO		25	50	100	200	400	800	1600
F/No.	Built-in flash	1.4	2	2.8	4	5.6	8	11
	External flash	2.8	4	5.6	8	11	16	22

The aperture value varies by 1/3EV step of the ISO film speed. (If the F number of the lens is lower than the above value, the aperture is set to the maximum aperture.)

(8) The aperture value of the program flash and daylight flash modes

Exposure in the P mode is controlled as shown in the figure below:



In A mode, the aperture is set to a default value and the shutter speed is controlled at 1/100 sec. In M mode, the aperture is set to a default value and the shutter speed is controlled to a speed under 1/100 sec.

————— : ISO 100, built-in flash, AF 50mm F1.8

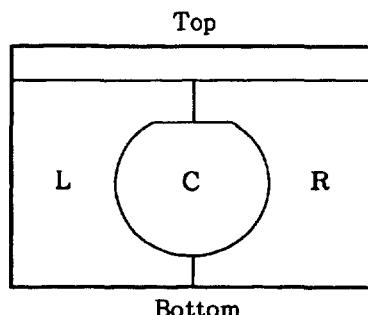
----- : ISO 50, built-in flash, AF 50mm F1.4

- - - - - : ISO 400, built-in flash, AF 35~105mm F3.3~4.5

(Flash use indicator does not appear between EV10~12 at ISO 400)

- Light measurement:**
- (1) Maximum aperture light metering system
 - (2) Special SPD for multiple light metering
 - (3) A light sensor for TTL flash control is mounted under the mirror.
 - (4) Multi pattern light metering

Usually the correct exposure is calculated according to the light metering value divided into three areas of the picture as shown in the figure below in the P, S or A mode. In the daylight flash mode, backlight and flash illumination can be controlled according to the light metering output calculated by Nikon's triple-sensor metering system as shown in the figure below. In the M mode or when the AEL button is depressed, the light metering value is controlled by the light metering output calculated at the center area.



Metering range: EV1 ~ EV19 (ISO 100, F1.4 lens used)

Exposure meter: Three LED indicators in the viewfinder light up when the shutter release button is depressed halfway or the pre-release timer is activated.

Film speed setting: Automatic (ISO 25 ~ 5000)
When using a DX-coded film, the film speed is automatically set by reading the CAS code printed on the film cartridge. With non-DX-coded film, the film speed is automatically set to ISO 100.

- Auto exposure lock:**
- (1) When depressing the AEL button on the front cover, the center-weighted metering value is stored and exposure is controlled based on that value.
 - (2) AE lock is effective only while the shutter release button is pressed lightly. The power does not turn off while the AEL button is depressed.
 - (3) When using flash, AE lock is automatically cancelled. But if the AEL button continues depressed for the next non-flash shot, the exposure is controlled to the before-locked value.
 - (4) When the AEL button is depressed in the M mode, the exposure metering value is locked. But the shutter speed and aperture value are set to default values.

Viewfinder:

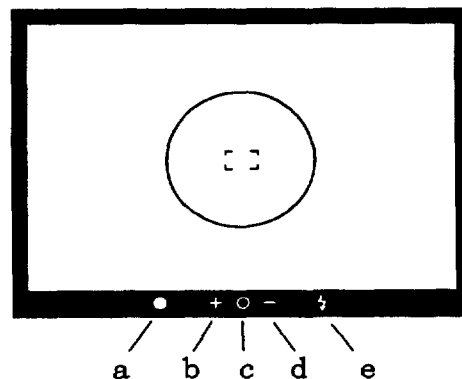
- (1) Eye-level viewfinder with pentaprism
- (2) Screen: Type B (matt surface) clear matt with focus brackets
- (3) Quick return mirror: half mirror with 30% transmission
(without mirror-up device)
- (4) Viewfinder coverage: 92% (vertically/horizontally)
- (5) Viewfinder magnification: 0.8× (with 50mm lens at infinity)
- (6) Viewfinder diopter: -1 dpt. (visual field), -1.8 dpt. (display)

Eyepiece:

- (1) Square type (FG type)
- (2) Eyepiece correction lens and rubber eyecap available
- (3) Eyepiece magnifier with eyepiece adapter (23FAPN) available

Viewfinder display:

- (1) Three LED exposure indicators
 - b. Red LED overexposure indicator
 - c. Red LED correct exposure indicator
 - d. Red LED underexposure indicator
- (2) Flash indicator
 - e. Red LED flash ready-light indicator
- (3) Focus indicator
 - a. Green LED in-focus indicator



Indicators and warning in the viewfinder





AF indicator and warning

- (1) The green LED focus indicator lights up in both auto and manual focus modes when the correct focus is obtained (while depressing the shutter release button halfway in A mode or while pre-release timer is activated in M mode).
- (2) The green LED focus indicator goes out in both A and M modes, and the shutter release is locked in the A mode while the lens is focused in front of or behind the subject.
- (3) The green LED focus indicator blinks and the shutter release is locked in the A mode when the focus detection is impossible. (due to low light intensity or low contrast)

Exposure indicators and warnings

- (1) In P, A or S mode
 - a) The red LED exposure indicator (○) lights up when correct exposure is obtained in the P, A or S mode.
 - b) The red LED exposure indicator (○) blinks at a frequency of 2Hz to warn of possible picture blur when the shutter speed is 1/30 sec or slower in the A or P mode. (In the S and M modes, no warning indicator appears.)
 - c) The red LED overexposure (+) or underexposure (−) indicator lights up and the shutter release is locked when the shutter speed and aperture value are not within the available range of the subject brightness and/or ISO film speed.
 - d) While depressing the AEL button, light metering is automatically shifted from multi-pattern metering to center-weighted metering, and the exposure is locked in this state.
 - e) In the A mode, when the aperture is set beyond the lens minimum or maximum aperture, the aperture is controlled to the minimum or maximum of the lens in use. No warning indicator is displayed.
 - f) In the S mode, the shutter release is locked when the shutter dial is set to B and the indicators go out.
- (2) In M mode
 - a) If the exposure value set in the M mode is within the range of $\pm 1/3\text{EV}$ for the optimum exposure value, the red LED exposure indicator (○) lights up.
 - b) If the exposure value set in the M mode is between the range of +1EV and +1/3EV for the optimum exposure, the red LED correct (○) and overexposure (+) indicators light up simultaneously.
 - c) If the manually set exposure value is between $-1/3\text{EV}$ and -1EV for the correct exposure, the red LED correct exposure indicator (○) and underexposure indicator (−) both light up.
 - d) When the light intensity is beyond the camera's exposure metering range, or manually set exposure value is not within $\pm 1\text{EV}$ for the correct exposure, one of the overexposure (+) or underexposure (−) indicator lights up.
 - e) When the shutter speed dial is set to B, the AE indicator goes out.
 - f) When the aperture dial is set beyond the lens minimum or maximum aperture, the actual aperture is set to the minimum or maximum aperture of the lens in use, respectively.

Flash ready-light indicator and warning

- (1) When both built-in and external flashes are off and when the camera determines that the flash is necessary (for daylight flash or low light), the LED ready-light indicator () in the viewfinder blinks when the shutter release button is depressed halfway. (However, the LED ready-light indicator does not blink for daylight flash in the M mode.)
- (2) When the flash is turned on and fully recycled, the LED ready-light indicator () lights up when the shutter release button is depressed halfway. If the background is darker than EV10, the LED exposure indicators do not light up.
- (3) When the flash (either built-in or external) fires at full output, the LED ready-light indicator () blinks for two seconds to indicate the full flash firing.
- (4) When the camera selector of the SB-E and the SB-19 is set to EM or B, and for the TTL flash control, the LED ready-light indicator () blinks.
- (5) When both built-in and external flashes are on, the built-in flash takes precedence and displays indicators (1 through 4 above) depending on the conditions of the built-in flash.

Others

- (1) When a lens other than a new AF lens (one without AF contacts) is mounted or no lens is mounted, the in-focus indicator does not light up, but the LED exposure indicators and LED flash ready-light can still light up and shutter release is also possible. (However, when the shutter speed dial is set to A, the shutter release is locked.)
- (2) When the ring of the lens is not set to the minimum aperture, both the overexposure (+) and underexposure (-) indicators blink alternatively, and the shutter release button is locked. (effective only when a lens with AF contacts is mounted)

Table of viewfinder indicators and warning

		○ Green	+ ○ - Red	⚡	Remarks
A F	1. In focus	Lights up			A: While the shutter release button is depressed halfway M: For 8 seconds
	2. Front focus or Rear focus	Goes out			A: Shutter release is impossible M: Shutter release is possible
	3. Focusing is impossible	Blinks			A: Shutter release is locked and indicator is displayed while the shutter release button is depressed halfway M: Shutter release is possible and indicator goes out
A E	1. AE control is possible (high speed)		○ lights up		Always appears in S mode
	2. AE control is possible (but possible picture blur)		○ blinks		In A and P modes
	3. Above AE metering range		+ lights up		Shutter release is locked
	4. Below AE metering range		- lights up		Shutter release is locked
	5. M mode ($\pm 1/3EV$)		○ lights up		
	6. M mode ($+1EV \sim +1/3EV$)		+ ○ light up		
	7. M mode ($-1/3EV \sim -1EV$)		○ - light up		
	8. M mode (above light metering range, over $+1EV$)		+ lights up		Shutter release is not locked
	9. M mode (below light metering)		- lights up		Shutter release is not locked
	10. AE lock		+ ○ - go out		Shifts to center-weighted metering
	11. Set to bulb		+ ○ - go out		
S B (only while shutter release button is depressed halfway)	1. Flash indication			Blinks	Low light (under EV10), daylight flash (over BV5) (flash power off prior to shooting)
	2. Completion of recycling			Lights up	AE indicator goes out when flash is on in low light (For daylight flash in P, S or A mode, AE indicators light.)
	3. Full flash warning			Blinks	After shooting
	4. External flash setting is not correct			Blinks	Prior to shooting, flash power is on
	5. Built-in flash is recycling			Goes out	Shutter release is locked
	6. External flash is recycling			Goes out	Shutter release is not locked
	7. Both built-in and external flashes are on				Built-in flash works
Others	1. Warning for incorrect minimum aperture setting		+ - blink alternately		Shutter release is locked
	2. Film end				Self-timer LED lights up

**Sequence error
warnings:**

Safety measures to prevent sequence errors (LED self-timer indicator lights up for 8 seconds, and goes out when the shutter dial is set to L.)

- (1) Aperture control by reserve motor rotation is not completed in a certain period of time.
When no mirror SW signal is received within 200ms after the shutter is released (after the motor starts rotating in the reverse direction), the motor is braked, and rotated in the normal direction until the film advance SW turns on, then again braked and stopped.
- (2) The film advance and mirror-down operations by normal motor rotation are not completed within a certain period. The motor is braked and stopped if the film advance completion SW signal is not input in 10ms after the closing shutter curtain Mg is turned off following shutter release (or in approx. 1 sec after the motor starts rotating in the normal direction).
- (3) If the mirror remains in the "up" state after the previous shutter release operation (for instance, when the power is turned off while making long time exposures), the motor is forced to rotate in the normal direction, then braked and stopped when the camera detects that the mirror SW turns on after shutter release.
- (4) If the mirror stops while it is going back down after the previous shutter release operation (or when film advance stops before it is completed; for example, when film advance becomes impossible because the film is advanced to the end of roll), the motor is forced to rotate in the normal direction until film advance SW turns on, then braked and stopped when the camera detects that the film advance completion SW is off; the self-timer LED indicator also lights up.
- (5) Film advance completion SW failure
If the film advance completion SW is on when the mirror starts moving down (or the motor starts rotating in the normal direction), the motor does not rotate in the normal direction.
- (6) Mirror SW failure
In the same condition of the item 1 or after shutter release, if the camera detects that the mirror SW and film advance completion SW turn on, the motor does not operate (neither in normal nor reverse direction.)

- Pre-release SW:**
- (1) By depressing the shutter release button halfway, the switch is turned on and light metering continues for 8 seconds after removing the finger from the shutter release button.
 - (2) Light metering continues for approx. 2 seconds after removing the finger from the shutter release button.
 - (3) With the built-in flash in the raised position, the pre-release timer operates until recycling is completed. During this time, indicators are displayed and light metering continues.
- Shutter release:**
- (1) By depressing the shutter release button fully, the release SW is turned on and the motor starts to activate the shutter release operation.
 - (2) When an AF lens is mounted and the AF mode is selected, shutter release is possible only when correct focus is obtained.
- Film loading:**
- Built-in easy film loading system (normal film advance) is employed. When depressing the shutter release button fully after pulling the film leader out to red index mark and closing the camera back, the frame counter turns to "1" after advancing three or four blank frames, then stops. During this operation, the mirror moves up for each frame, and the shutter curtains do not open.
- Film advance:**
- (1) Automatic film advance by built-in motor
 - (2) Self-timer LED indicator lights up for eight seconds at the end of the roll. (The indicator lights up repeatedly when the shutter release button is depressed once again.)
- Frame counter:**
- Automatically returns to the S position.
- Film rewinding:**
- (1) Auto film rewinding with built-in motor
 - (2) By sliding the film rewind lever located behind the top cover and by pushing the rewind button, the film rewind switch turns on and film rewinding begins.
 - (3) While the film is rewinding, the frame counter counts down. (This does not occur when there is no film in the camera.)
 - (4) After completion of rewinding, the rewind button returns to its original position and the motor stops automatically.
- Self-timer:**
- (1) Electronically controlled
 - (2) After depressing the self-timer button on the top cover, the camera enters the pre-release state and the shutter is released in approx. 10 seconds.
 - (3) If the self-timer button is depressed again within 10 seconds, the self-timer operation is cancelled.
 - (4) The LED self-timer indicator blinks at 2Hz for the first 8 seconds, then at 8Hz for the last 2.

- (5) If the shutter release button is depressed fully while the self-timer is operating, the shutter can not be released. In other words, the self-timer operation takes precedence.
- (6) In self-timer operation, the AF lens is not driven unless the release button is depressed halfway.

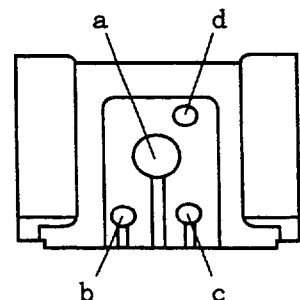
- Built-in TTL flash:**
- (1) Guide number 12
 - (2) Parallel control system
 - (3) Angle of coverage 35mm lens or longer
 - (4) Flash recycling time Approx. 4.5 sec (fresh alkaline batteries at normal temperature)
 - (5) Flash ready indicator LED flash ready-light lights up in viewfinder.
 - (6) Number of flashes More than 8 rolls of 36-exposure film (with fresh alkaline batteries at room temperature)
 - (7) Pop up Manual
 - (8) Built-in flash cannot be used simultaneously with external flash. Built-in flash takes precedence.

- Flash synchronization:**
- (1) X-contact only (synchronization under 1/100 sec)
 - (2) No sync terminal
 - (3) When using Nikon dedicated electronic flashes (SB-15, 16B, 18, 20, 22, 23 or 24)
 - a) The flash ready-light in the viewfinder lights up when recycling is completed while power is on.
 - b) In the P or A mode (or the S and M modes with a shutter speed faster than 1/125 sec), the shutter speed is automatically set to 1/100 sec immediately after the flash is turned on. When the shutter speed is set to 1/100 sec or less in the S or M mode, the shutter speed is set as is.
 - c) The LED flash ready-light in the viewfinder blinks for 2 seconds after shooting when the flash fires at full power.
 - d) The LED flash ready-light blinks when the film speed is set beyond the acceptable film speed range (over ISO 400)
 - e) The LED flash ready-light lights up or blinks only while the shutter pre-release timer is operating.
 - f) The flash does not fire until the frame counter indicates "1".

Accessory shoe:

The following four contacts are provided.

- a) Flash contact
- b) Ready-light contact
- c) TTL light metering contact
- d) Monitor contact



Power supply: Four AA-type alkaline-manganese batteries, four high-grade AA-type manganese batteries, or four AA-type Ni-Cd batteries can be installed in the battery chamber.

Checking battery power:

(1) Normal	Shutter pre-release timer is activated for approx. 8 seconds.
(2) Insufficient	Shutter pre-release timer is activated for approx. 2 seconds
(3) No power	No viewfinder LED exposure indicator lights up, shutter release is locked, and AF lens servo is locked.

△ Current consumption:

(1) For light metering and distance detection (AF lens attached, power 6V with resistor 0.8Ω)	(when depressing the shutter release button halfway)	150mA MAX
(2) For driving the AF lens		Approx. 280mA
(3) For shutter release operation (when providing Mg with voltage)		Approx. 1.25A
(4) For advancing the film (average)		Approx. 620mA
(5) For rewinding the film		Approx. 420mA
(6) For using built-in flash		9000mAsec/1F

— These values are to be measured at room temperature —

(7) Power off	10 μA MAX
---------------	-----------

Camera back:

- (1) Non-detachable
- (2) Film cartridge confirmation window and film advance indicator are provided. (No memo holder)
- (3) Open the camera back by sliding the camera back open lever downward.

Tripod socket: U 1/4 inch

Temperature for use:

(1) For normal function	- 10 °C ~ 40 °C
(2) For actual shooting	- 20 °C ~ 40 °C
(3) For storage	- 30 °C ~ 60 °C

Dimensions: 153.9 (W) × 102.15 (H) × 65.58 (D) mm

Weight:

- (1) Approx. 650 g (without data back; FAA21052, FAA21152)
- (2) Approx. 655 g (With data back; FAA21252)

Number of 36-exposure film rolls per set of fresh batteries (approx.)

(For autofocus operation with AF Nikkor lens covering the full range from infinity to the closest distance and back to infinity before each shot)

Battery		With AF 50/1.8		With AF 35~70/3.3~4.5	
		Room temp.	- 10 °C	Room temp.	- 10 °C
No flash	Alkaline	50	8	50	8
	Manganese	20	1	20	1
	Ni-Cd	16	15	16	11
Flash is used for every shot	Alkaline	20	5	20	5
	Manganese	8		8	
	Ni-Cd	7	4	7	4

3. DATA BACK (for FAA21252)

Usable film speed and film speed setting

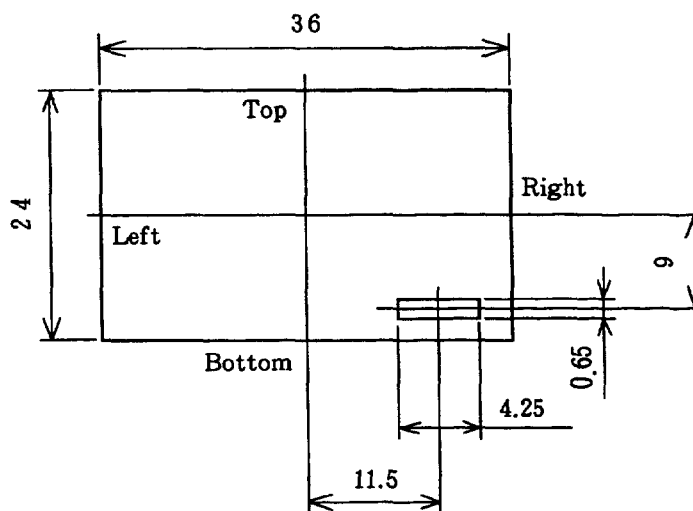
- (1) ISO 64 ~ 1600
- (2) Imprinting time is automatically selected out of three steps according to the ISO film speed set at the camera body.
Correct imprinting time may not be available if the film speed is outside the usable range.
The film speed of a non-DX coded film regarded as ISO 100.

ISO	Imprinting time
64 ~ 80	Approx. 100msec
100 ~ 320	Approx. 58msec
400 ~ 1600	Approx. 25msec

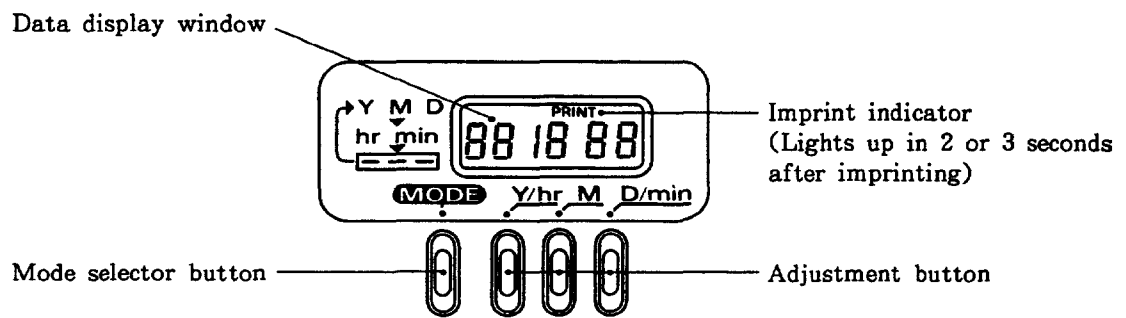
Imprinting method: Imprint data are displayed on the LCD panel

- Imprint data:**
- (1) Calendar (Year/Month/Day; Arrangement cannot be changed.)
 - (2) Clock (Hour/Minute; 00:00 ~ 23:59)
 - (3) No imprint
- * The calendar is automatically adjusted up to 2019.

Imprinting position:



External LCD display and operational button



Signal contact Following two contacts are provided.
(for transmission a) Imprint signal
to camera body): b) GND

Clock accuracy: Approx. ± 90 sec/month (at 20 °C)

Power source: 3V lithium battery (CR2025) × 1

Battery life: Approx. 4 years

Temperature for use:(1) For normal function $-10^{\circ}\text{C} \sim 40^{\circ}\text{C}$
 (2) For actual shooting $-20^{\circ}\text{C} \sim 40^{\circ}\text{C}$
 (3) For storage $-30^{\circ}\text{C} \sim 60^{\circ}\text{C}$

1. Adjustment of F-401s/N4004s

F-401s/N4004s cameras are almost the same as F-401/N4004 mechanically and electrically. Therefore, refer to Repair manual of F-401/N4004 for the mechanical and electrical adjustment. Also, adjustment program for F-401/N4004 can be used.

Note: ① Before adjustment of accuracy after replacing main FPC or EEPROM, make sure that data in EEPROM are the ones for F-401s/N4004s.
(Refer to page E0 4/5.)

② Please refer to the following sections as to the compatibility of parts.

2. Difference between parts for F-401s/N4004s and those for F-401/N4004

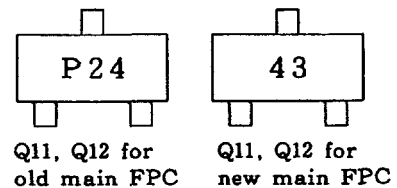
(1) Part numbers for each model

F-401 N4004	Main FPC		Shutter	AF FPC
	1B990-276 CPU version 1.0/1.1/1.3/1.4/1.A		1B990-278	1B990-277

F-401s N4004s		Main FPC	Shutter	AF FPC
	Initial products	1B990-276 CPU version 1.A	1B990-278	1B999-274
	Others	1B990-276-1 CPU version 1.A	1B990-278-1	1B999-274

(2) Difference of parts

	Main FPC	Difference
F-401 (N4004)	1B990-276	<ul style="list-style-type: none"> * Five kinds of CPU version exist. (1.0/1.1/1.3/1.4/1.A) * EEPROM data are for F-401/N4004.
F-401s (N4004s)	1B990-276	<ul style="list-style-type: none"> * Used in the initial products. * Same as main FPC for F-401/N4004 basically. CPU version is 1A. (If CPU version is other than 1A, the main FPC cannot be used in F-401s/N4004s) * EEPROM data are for F-401s/N4004s.
	1B990-276-1	<ul style="list-style-type: none"> * Used in other than initial products. * Shutter Mg control transistors Q11 and Q12 on main FPC has been modified. CPU version is 1.A. * EEPROM data are for F-401s/N4004s.
<p>① Identification of new and old FPC's (1B990-276, 1B990-276-1) Print on shutter Mg control transistors (Q11, Q12) is different as shown in the figure.</p> <p>② Refer to page E3 for the location of the transistors Q11 and Q12.</p> <p>③ No adjustment is made to the main FPC's (1B990-276) supplied to you from Parts Control Section. It is necessary to check the data in EEPROM when replacing main FPC and adjusting accuracy. (Refer to page E0 4/5.)</p>		



	Shutter	Difference
F-401 (N4004)	1B990-278	<ul style="list-style-type: none"> * Used in F-401/N4004 from the beginning. * Usable in F-401s/N4004s. (Usable with main FPC 1B990-276 and 1B990-276-1)
F-401s (N4004s)	1B990-278	<ul style="list-style-type: none"> * Used in the initial products. * Basically same as the shutter of F-401/N4004. * Usable with main FPC 1B990-276 and 1B990-276-1
	1B990-278-1	<ul style="list-style-type: none"> * Used in other than initial products. * Zener diode on shutter base plate has been discarded. * To be used in combination with main FPC 1B990-276-1. When using with 1B990-276, it is necessary to replace shutter Mg control transistors Q11 and Q12 on main FPC with new one.
	<p>Identification of new and old shutter</p> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 5px; margin-right: 10px;"> <div style="border: 1px solid black; width: 60px; height: 40px; margin: 5px auto; text-align: center;">Shutter</div> <div style="text-align: center; margin-top: 5px;">xxxx</div> </div> <div> <p>Identified by the color of mark (xxxx).</p> <p>Black: Old type 1B990-278</p> <p>White: New type 1B990-278-1</p> </div> </div>	

3. EEPROM data (Comparison between F-401s/N4004s and F-401/N4004)

Address		Name/Function	F-401 N4004					F-401s N4004s
			CPU version					1.A
			1.0	1.1	1.3	1.4	1.A	
1	UPPER	AF GAIN	154	154	138	138	138	161
	LOWER		0	0	0	0	144	160
2	UPPER	L1	Write in when adjusting AF. (ΔZ)					
	LOWER	L1						
3	UPPER	CCD CHG/WAIT GAIN	31	31	31	31	31	0
	LOWER	AF AGC Level	128	128	128	128	128	128
4	UPPER	AE Level (L)	Write in when adjusting AE.					
	LOWER	AE Gammer						
5	UPPER	AE Level (C)	Write in when adjusting X BER P.					
	LOWER	X BER P						
6	UPPER	AE Level (R)	Write in when adjusting AE					
	LOWER	1/2000 Adjustment	Write in when adjusting 1/2000 sec.					
7	UPPER	TTL Adjustment	Write in when adjusting TTL.					
	LOWER	CCD Off Set	0	0	0	0	0	0
8	UPPER	B.C. 1	Write in when adjusting B.C.					
	LOWER	B.C. 2						
9	UPPER	Aperture Mg Off Set	*1					
	LOWER	DSL Brightness Difference	0	0	0	24	24	24
10	UPPER	Number of Release (Upper)	0	0	Number of release after shipment			
	LOWER	Number of Release (Lower)	0	0				
11	UPPER	AF Slope	0	0	56	56	56	56
	LOWER	AF Slope	0	0	56	56	56	56
12	UPPER	AGC Level	0	0	0	0	100	100
	LOWER	AGC Level	0	0	0	0	30	30

Usage of EEPROM Address 1 ~ 12 : For adjustment
 Address 25 ~ 27 : For service
 Address 28 ~ 32 : For assembly line

*1: Aperture Mg resistor value and EEPROM data

Aperture Mg resistor value	External parts	EEPROM data
55 Ω	No part	100
55 Ω	Diode	130
55 Ω	Resistor	110
100 Ω	No part	135

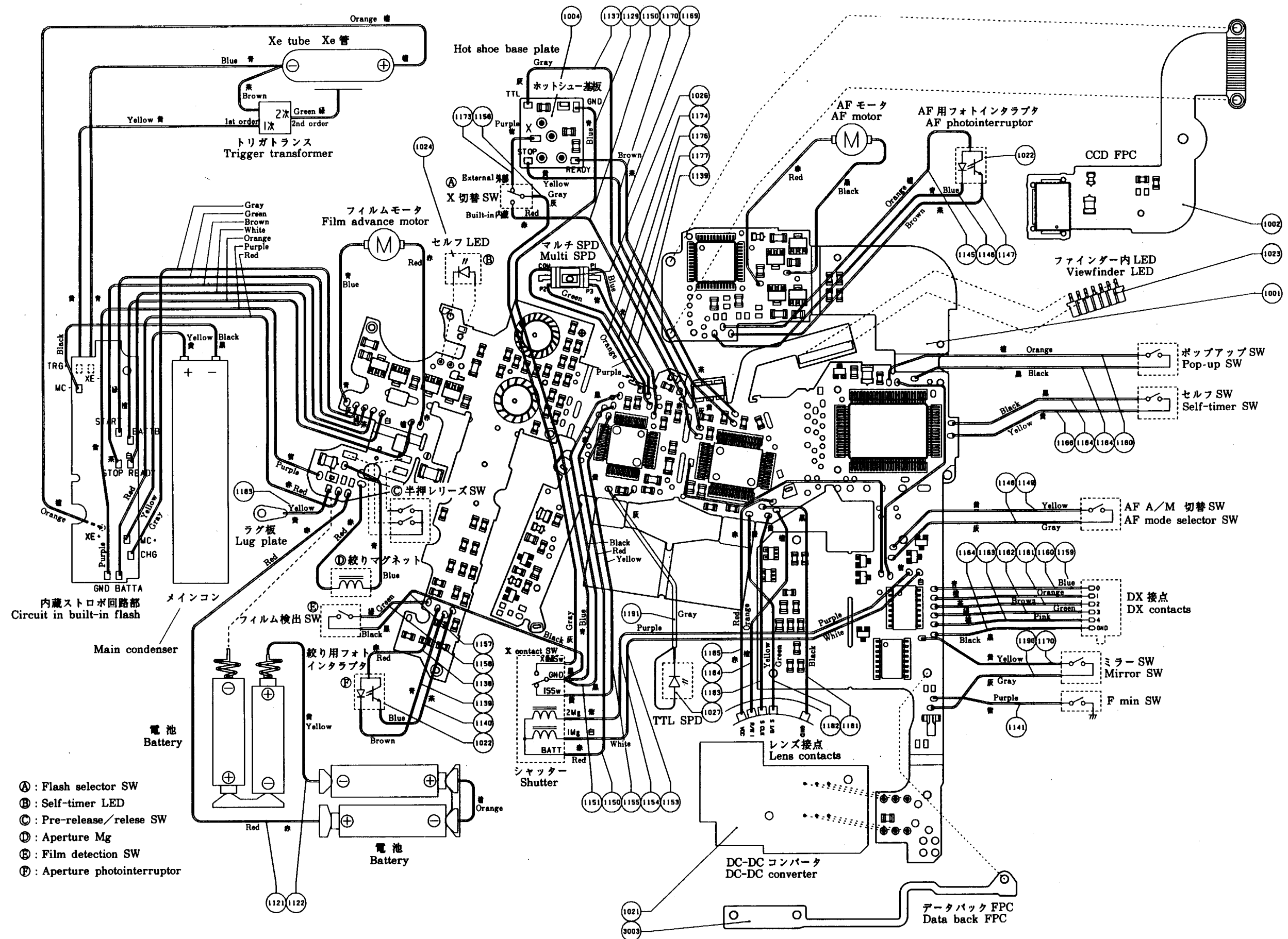
4. Compatibility and necessary modification to use the following parts in F-401s/N4004s and F-401/N4004

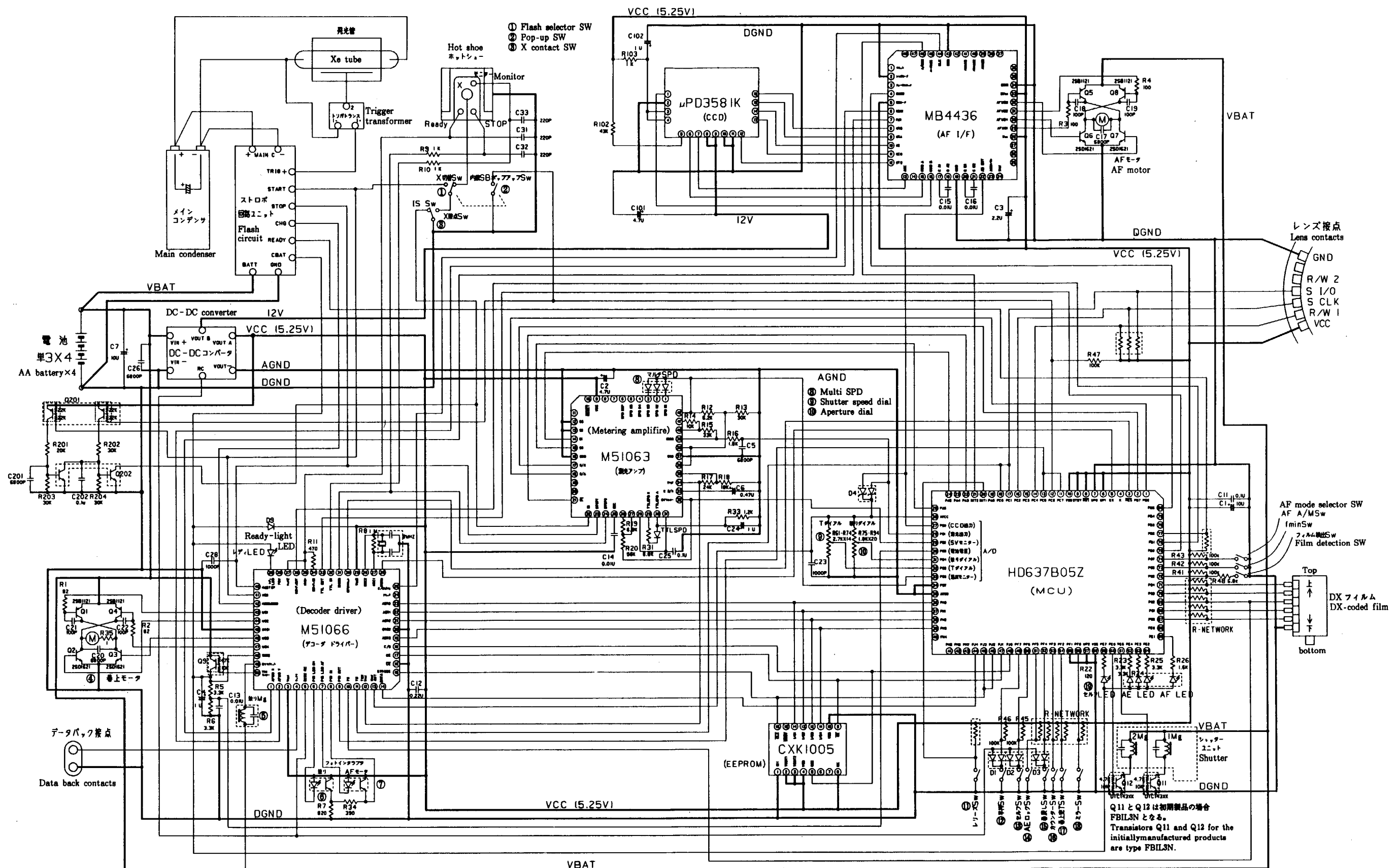
Note: ① Check main FPC to see if an F-401s camera is a initial product or not. Refer to page E0 2/5 for distinction of new and old main FPC's (1B999-276, 1B990-276-1)

② As no distinction is made to the main FPC supplied by parts Control Section (not described whether it is for F-401s or F-401), it is necessary to check EEPROM data when replacing main FPC and adjusting accuracy. (Refer to page E0 4/5 for the EEPROM data.)

③ Refer to page E3 for the location of shutter Mg control transistors Q11 and Q12 mounted on main FPC.

Part to be replaced Model			Main FPC		Shutter		AF FPC	
			1B990-276-1 For F-401s/N4004s	1B990-276 For F-401s/N4004s and F-401/N4004	1B990-278-1 For F-401s/N4004s	1B990-278 For F-401s/N4004s and F-401/N4004	1B999-274 For F-401s/N4004s	1B990-277 For F-401/N4004
F-401s N4004s	Initial products	Main FPC 1B999-276	Usable without modification	① CPU version should be 1.A. ② Make sure that EEPROM data are for F-401s/N4004s. (If no, re-write that data.)	Replace Q11 and Q12 on main FPC with new ones (1S135-034).	Usable without modification	Usable without modification	Not usable
		Shutter 1B990-278						
		AF FPC 1B999-274						
	Others	Main FPC 1B990-276-1	Usable without modification	① CPU version should be 1.A. ② Make sure that EEPROM data are for F-401s/N4004s. (If no, re-write the data) ③ Replace Q11 and Q12 on main FPC with new ones (1S135-034).	Usable without modification	Usable without modification	Usable without modification	Not usable
		Shutter 1B999-278-1						
		AF FPC 1B999-274						
F-401 N4004		Main FPC 1B990-276	Make sure that EEPROM data are for F-401/N4004. If no, re-write the data (version 1.A).	Replace Q11 and Q12 on main FPC with new ones (1S135-034).	Usable without modification	Not usable	Usable without modification	
		Shutter 1B990-278						
		AF FPC 1B990-277						



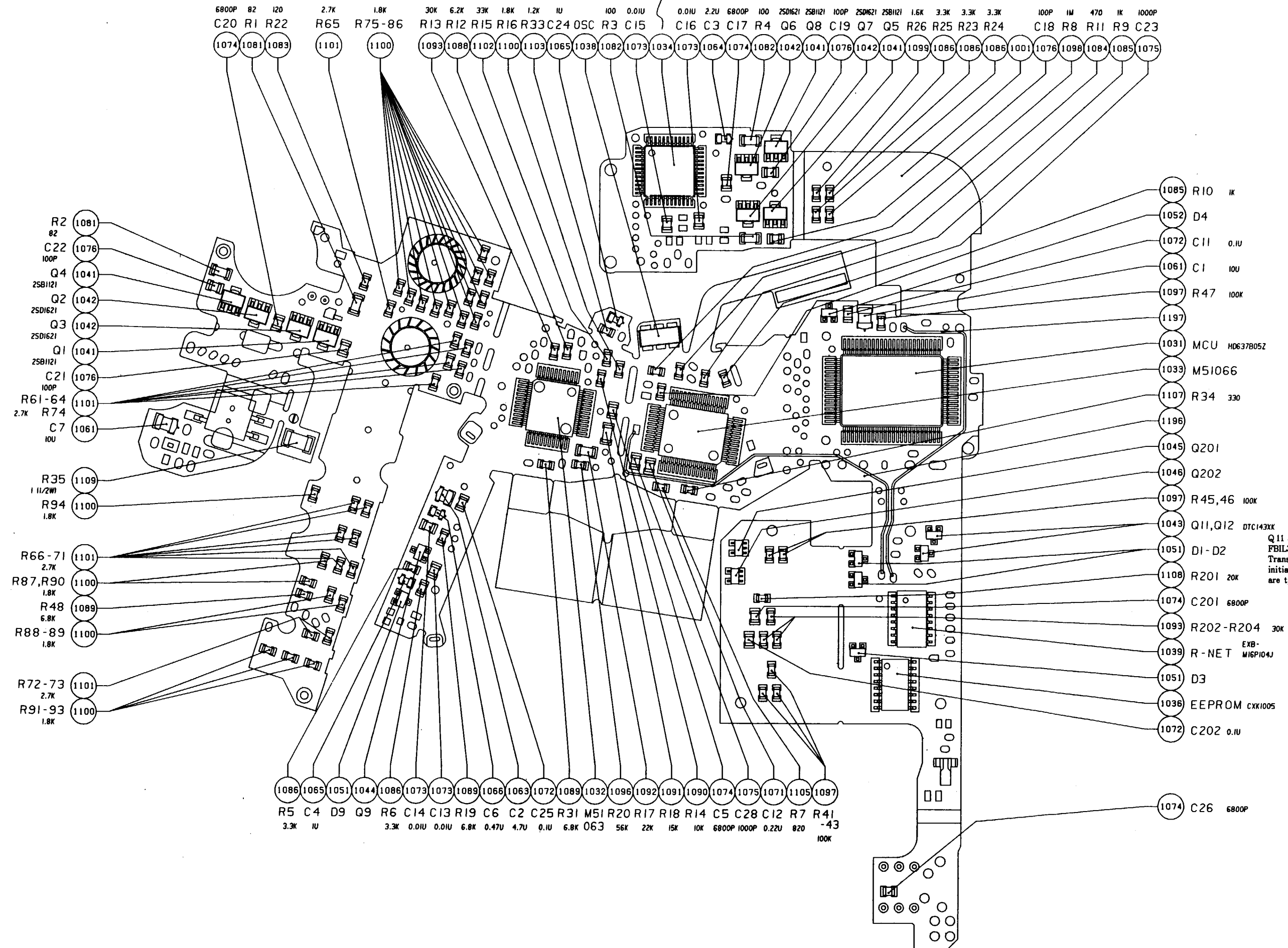


- ④ Film advance motor
- ⑤ Aperture Mg
- ⑥ Aperture photointerruptor
- ⑦ AF photointerruptor

- ① Release SW
- ② Pre-release SW
- ③ Self-timer SW
- ④ AE lock SW
- ⑤ Rewind SW
- ⑥ Counter SW
- ⑦ Film advance completion SW
- ⑧ Mirror SW
- ⑨ Self-timer LED

プルアップ抵抗 (22個) の内15個は
16ピンフラットパッケージ抵抗アレイとする。
15 Pull-up resistors out of 22 pcs
are 16-pin flat package resistor
array.

MB4436



作成承認印

配布許可印



Nikon F-401s

FAA21052

QUARTZ DATE

FAA21252

N4004s

FAA21152

PARTS LIST (REVISED-1)

修理部品表 (改訂-1)

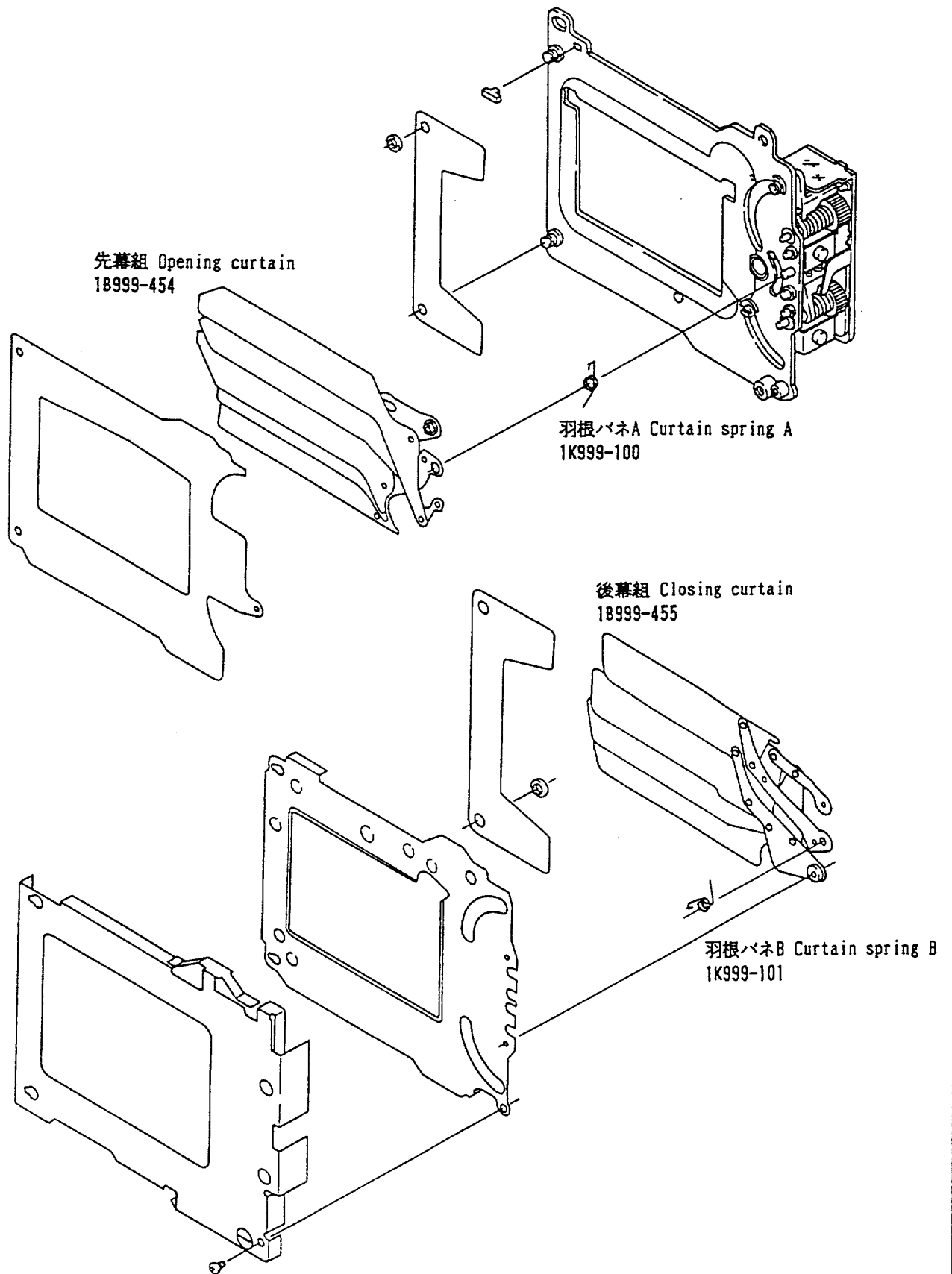
Nikon | **NIKON CORPORATION**
Tokyo, Japan

© Copyright 1994
ALL RIGHTS RESERVED
無断転載を禁ず!!

Feb. 17. 1994

Printed in Japan February

シャッター部
Shutter



F i g . 0

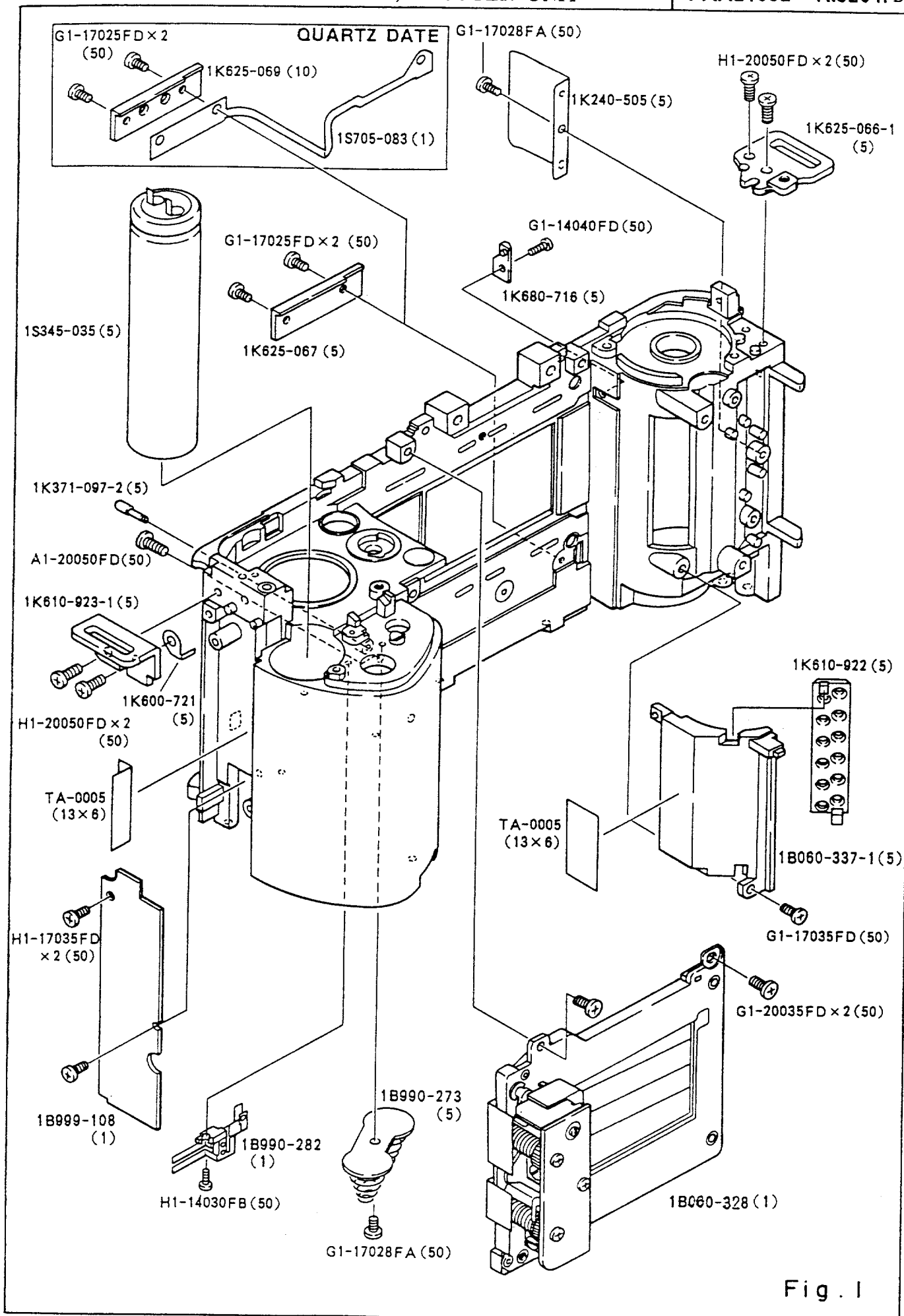


Fig. 1

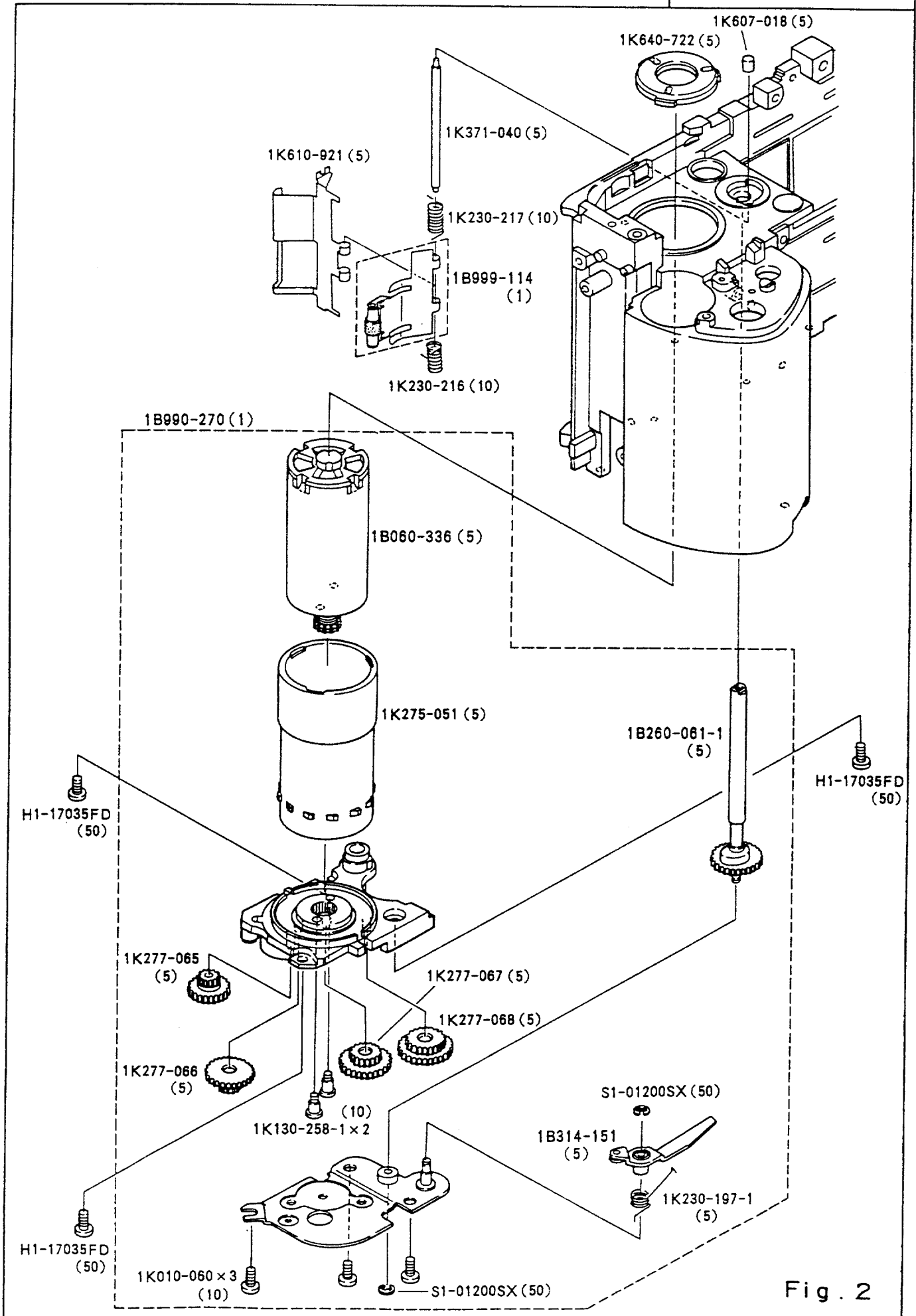


Fig. 2

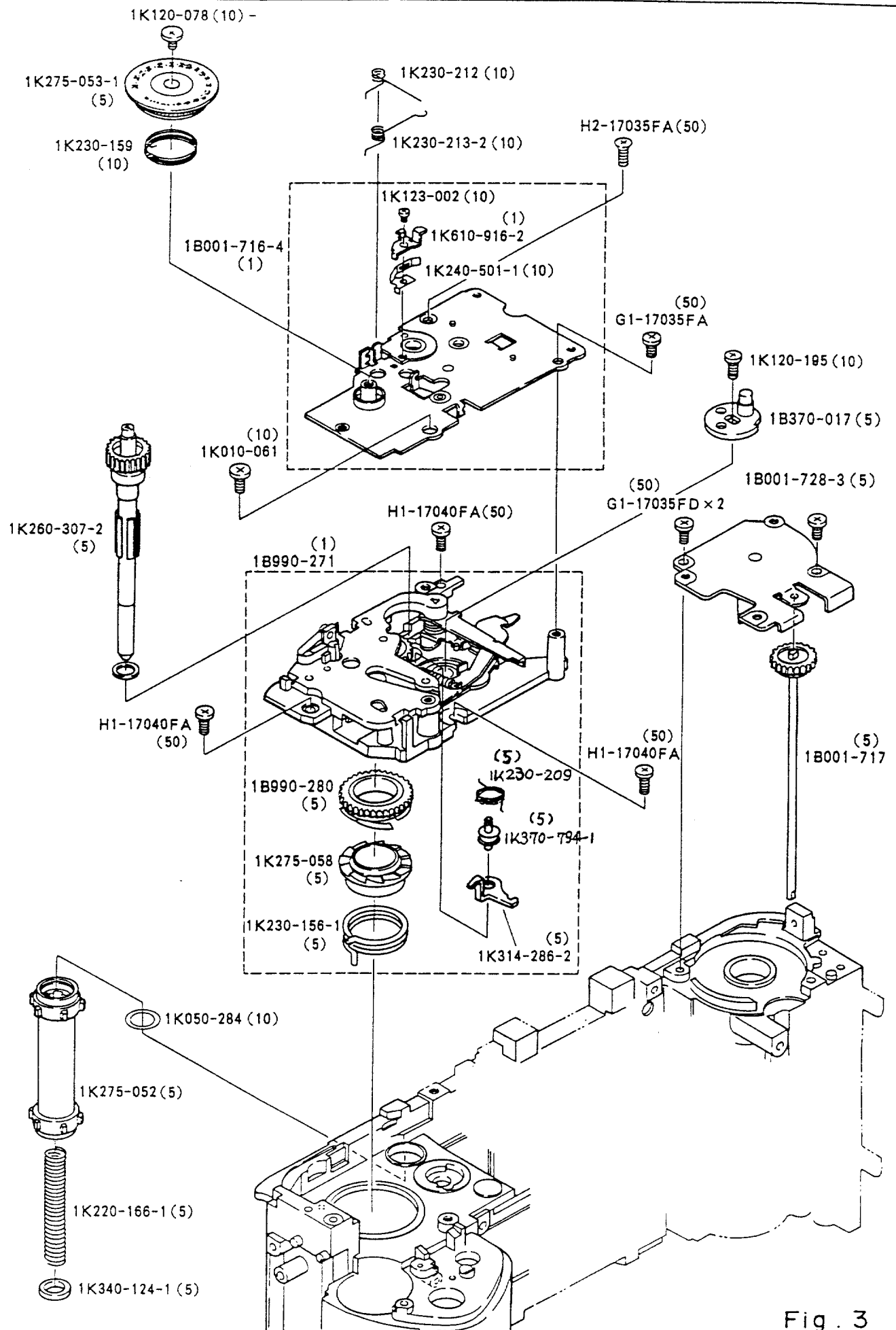


Fig. 3

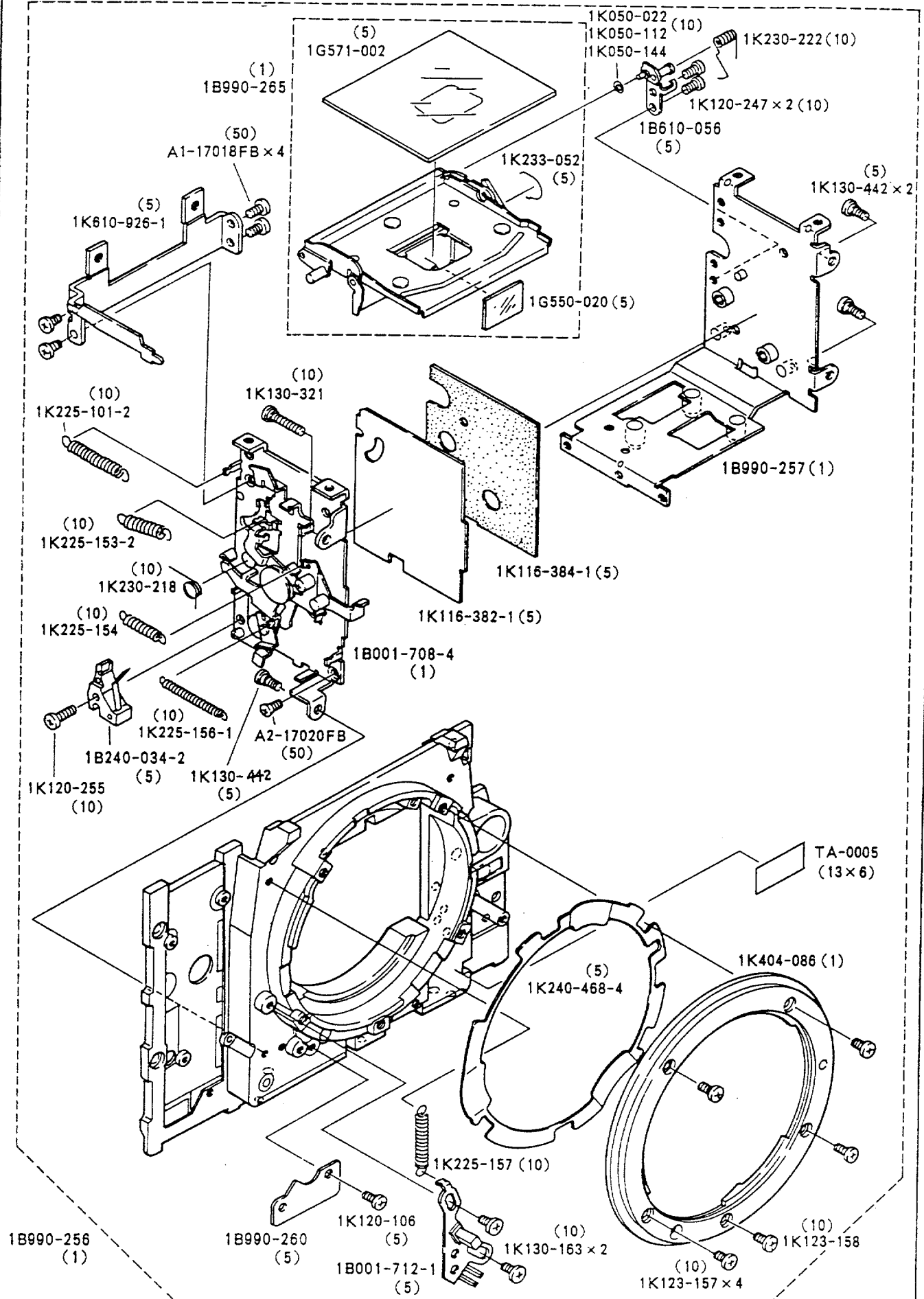


Fig. 5

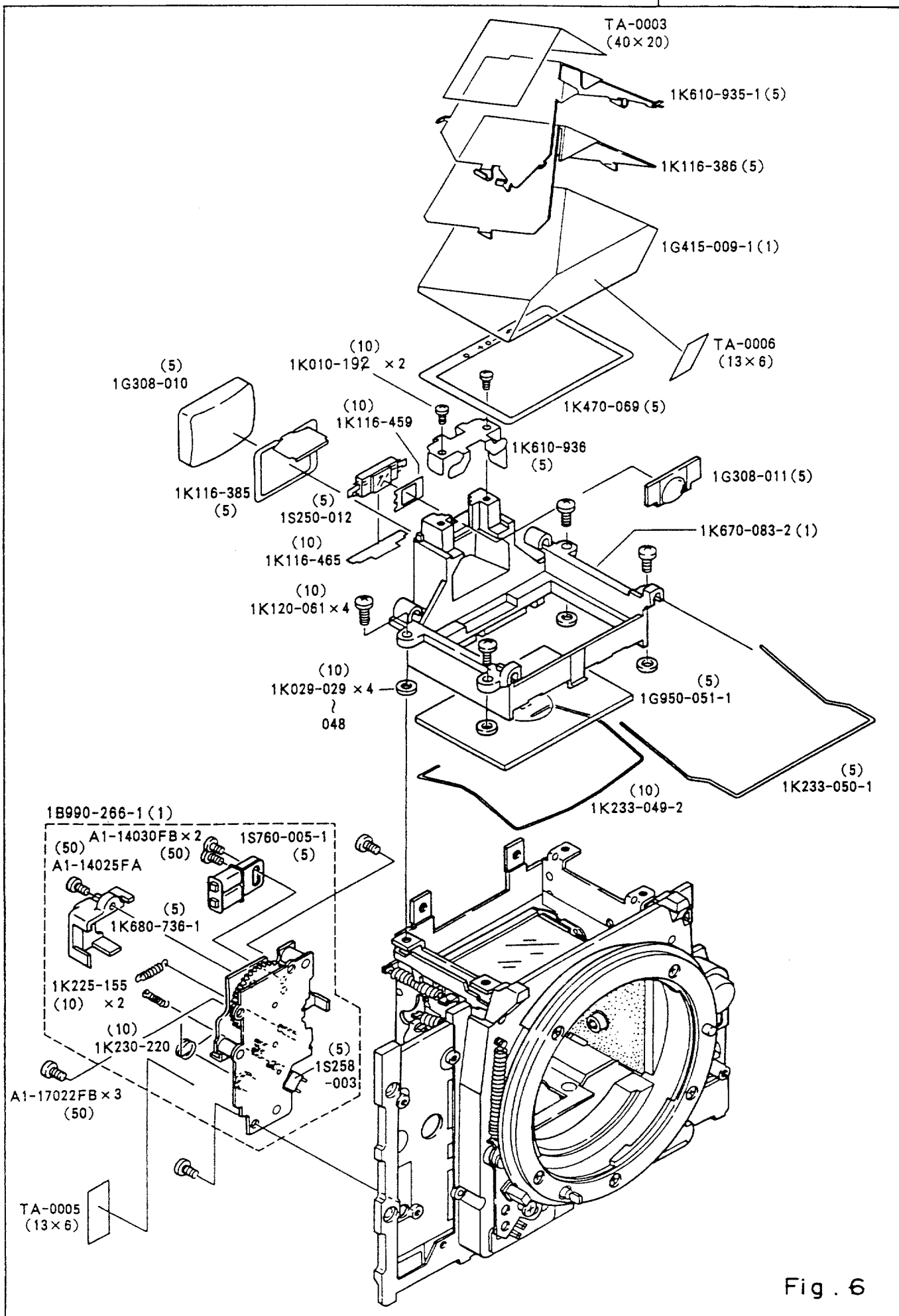


Fig. 6

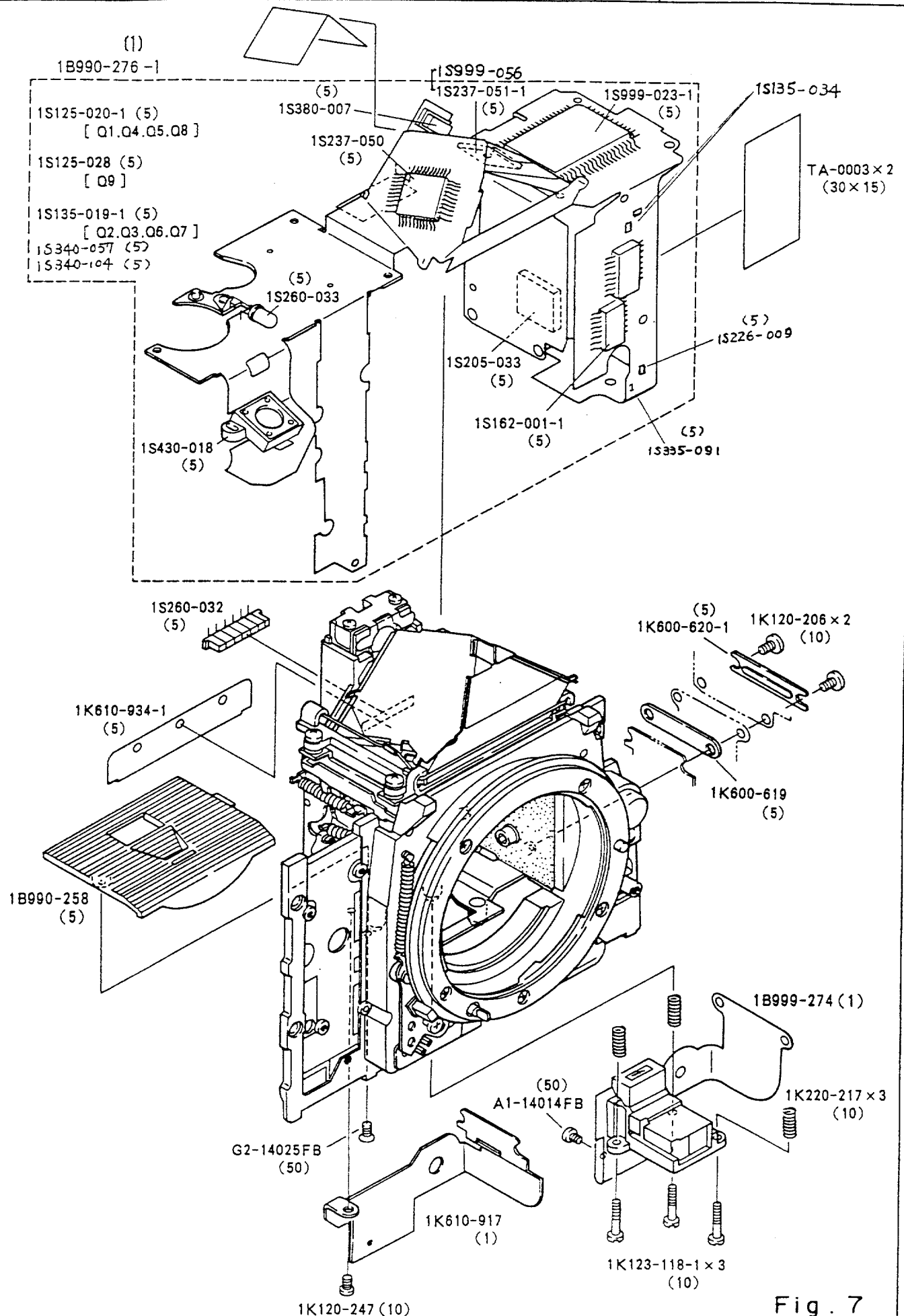


Fig. 7

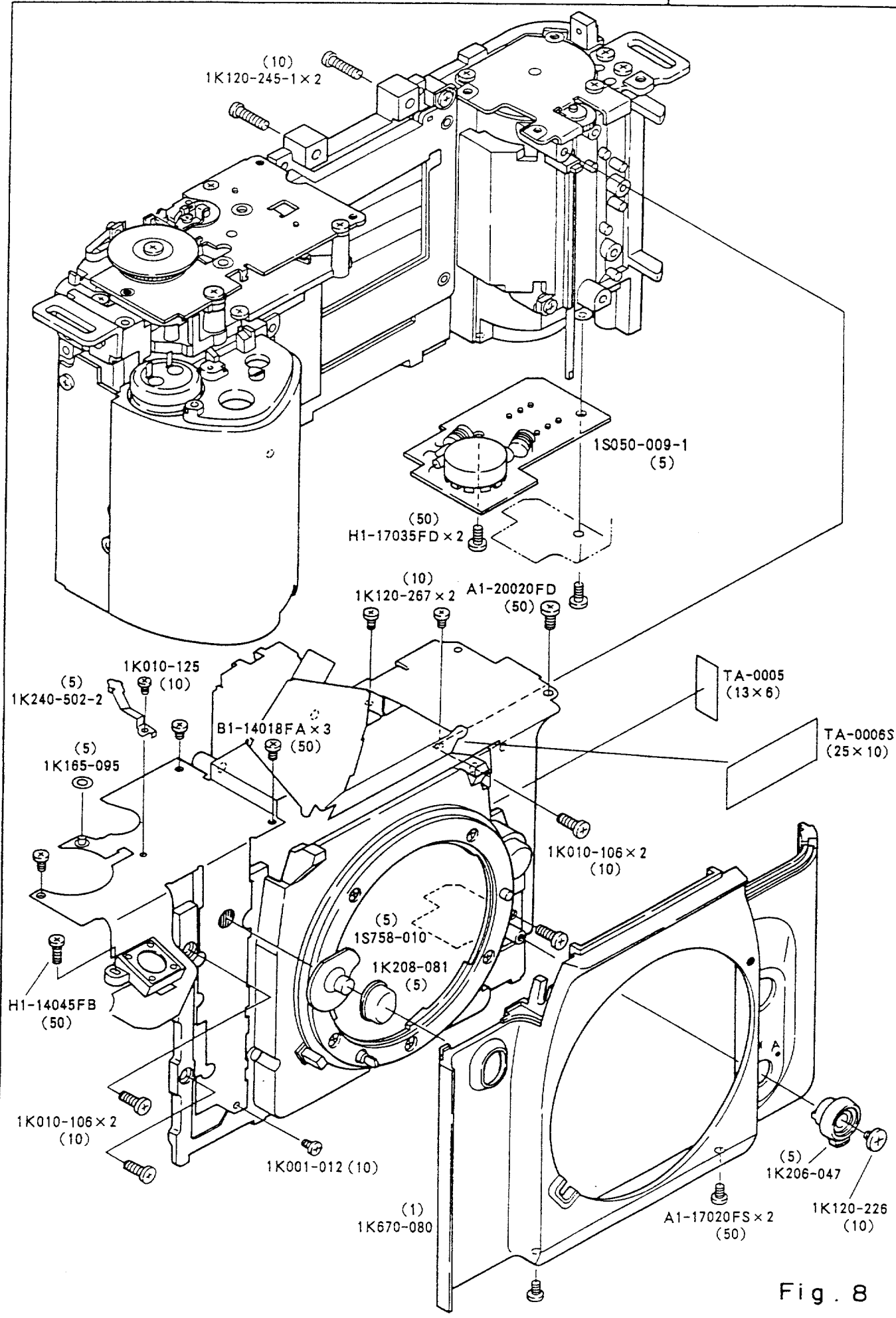


Fig. 8

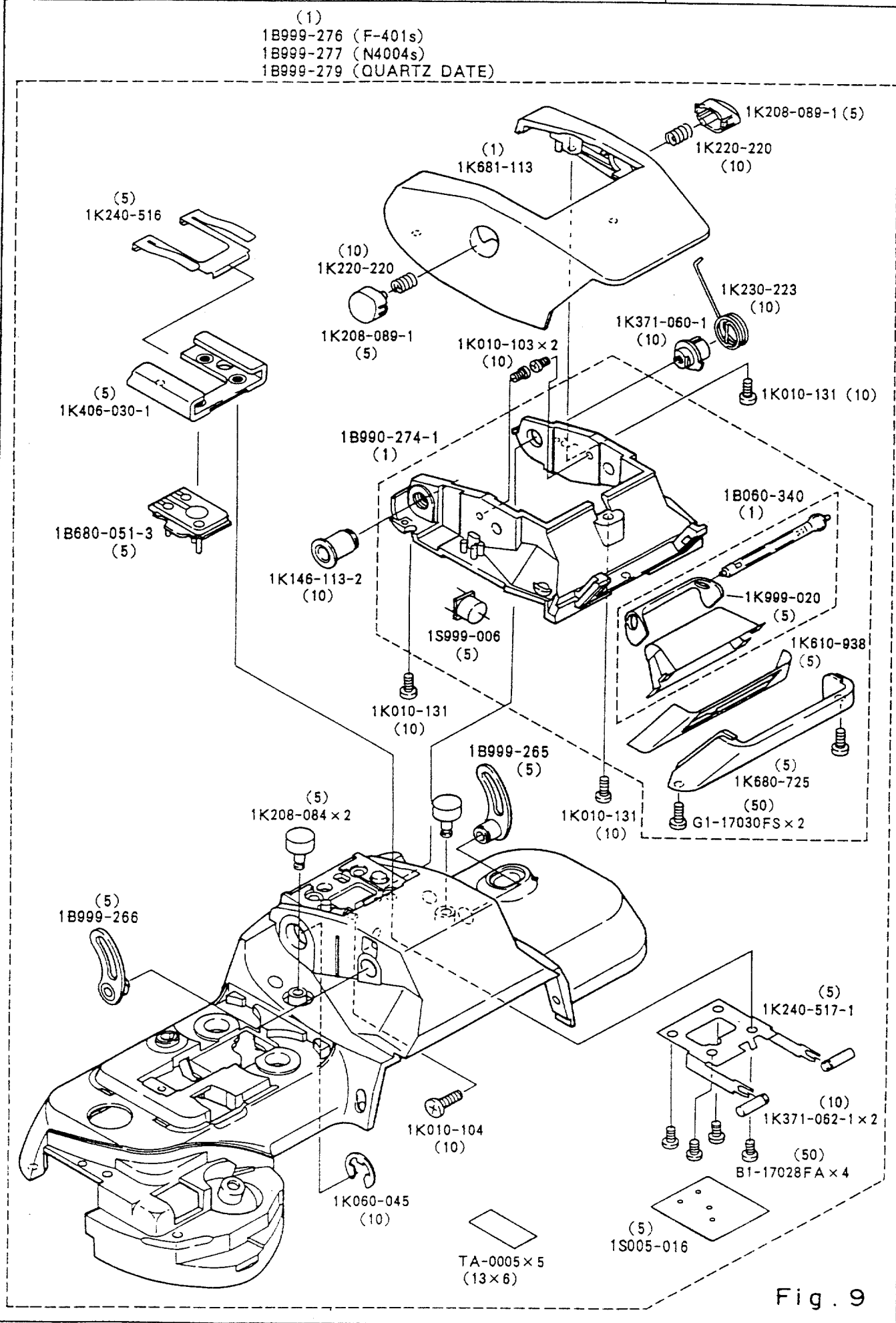


Fig. 9

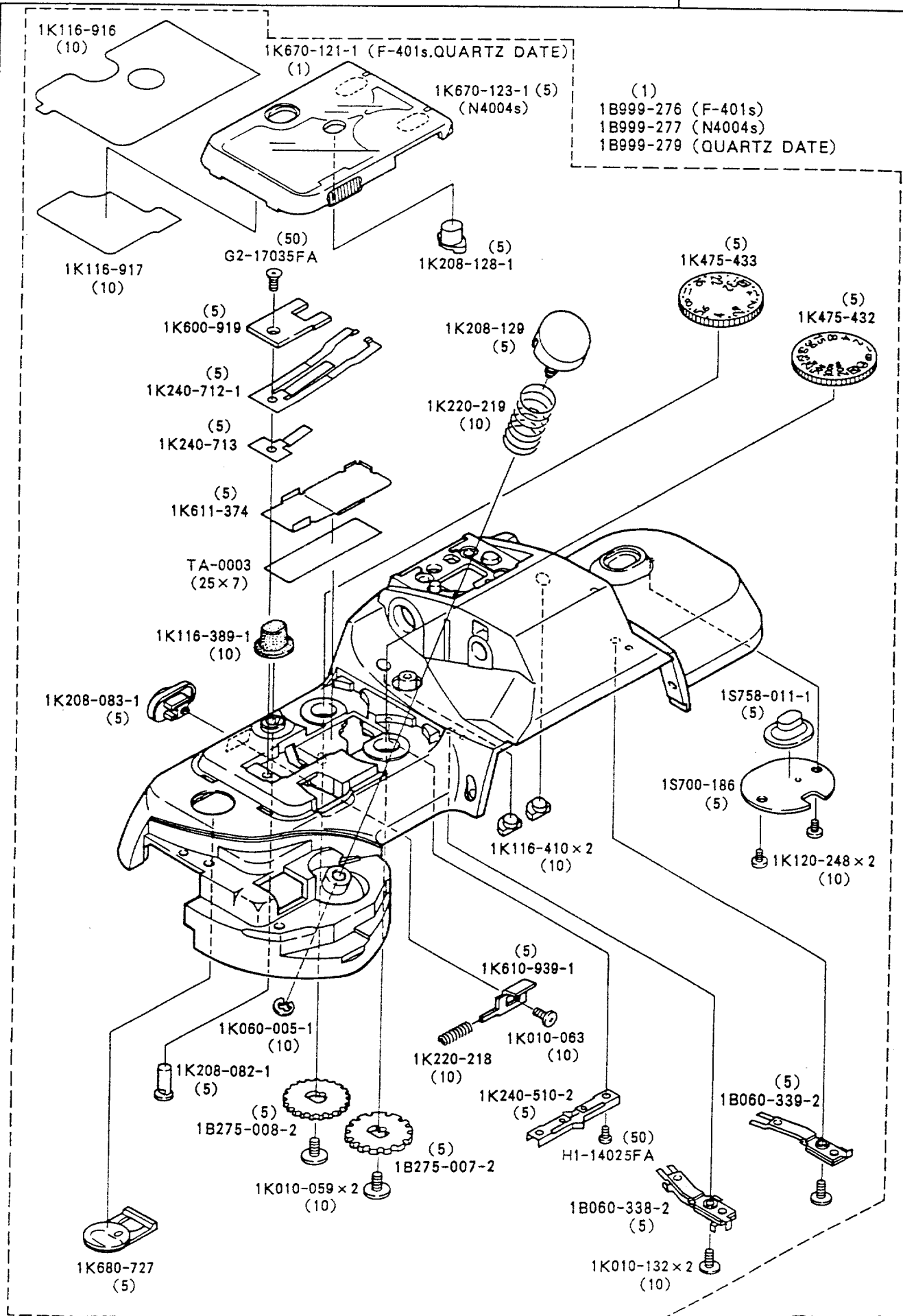


Fig. 10

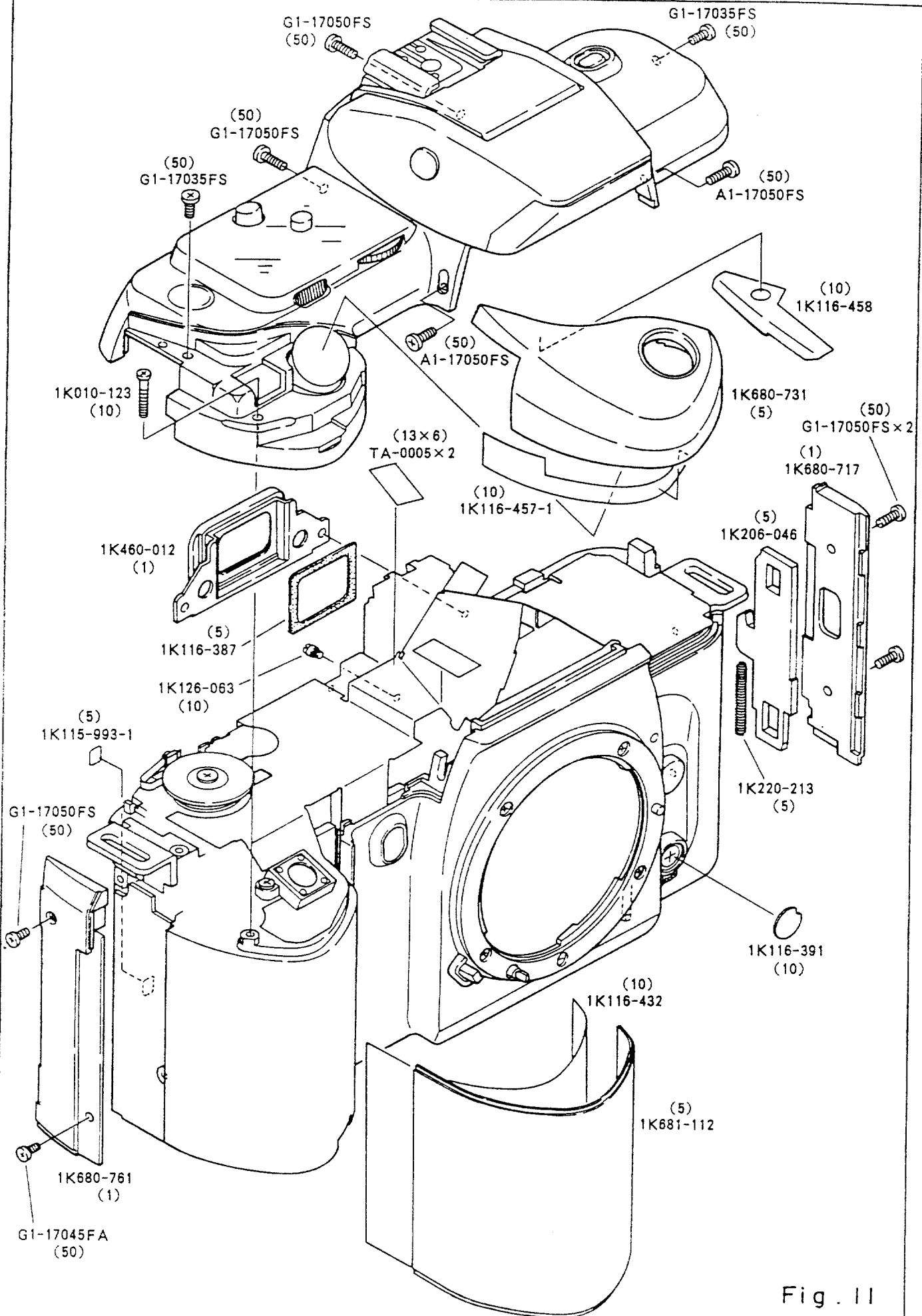


Fig. 11

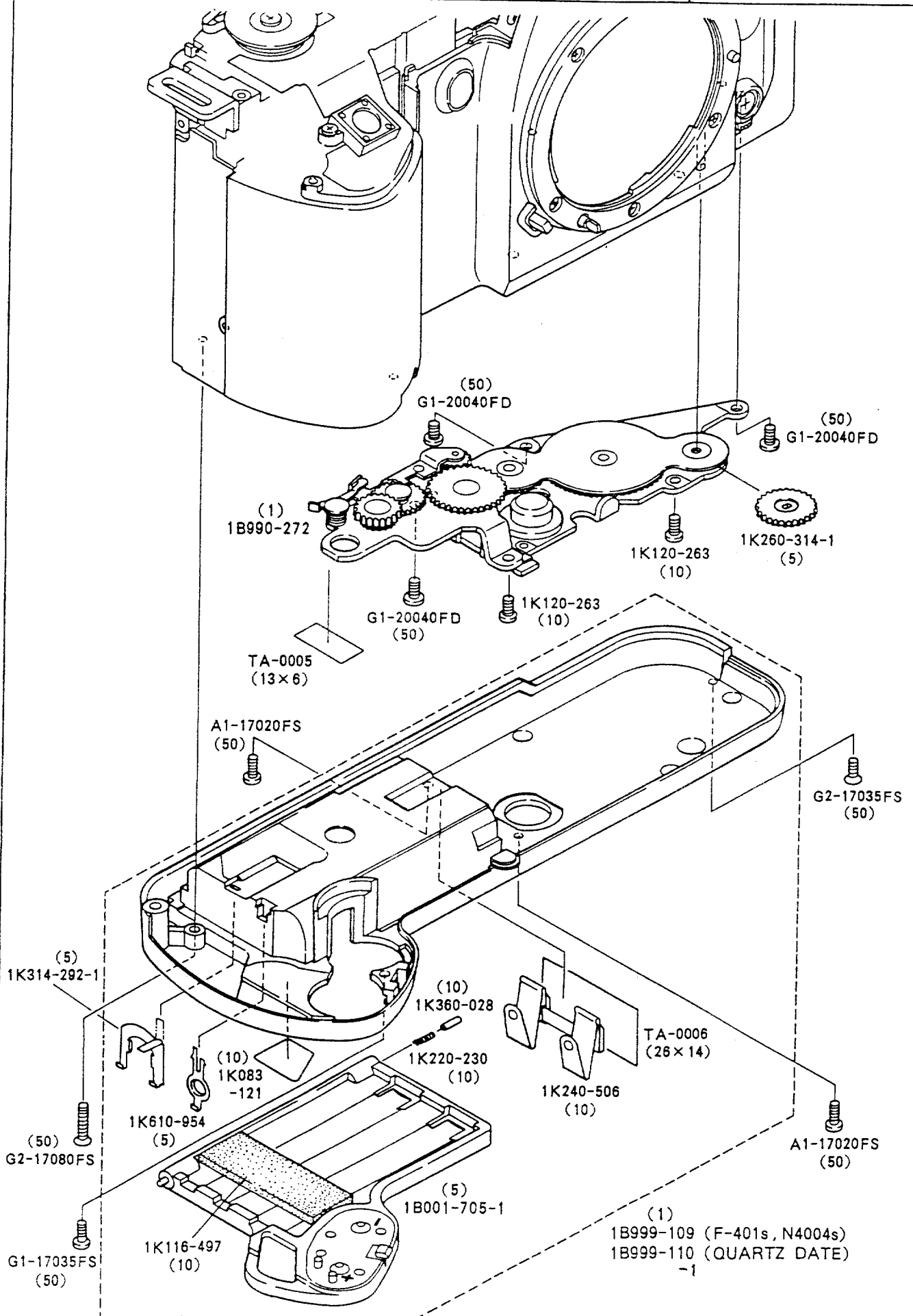


Fig. 12

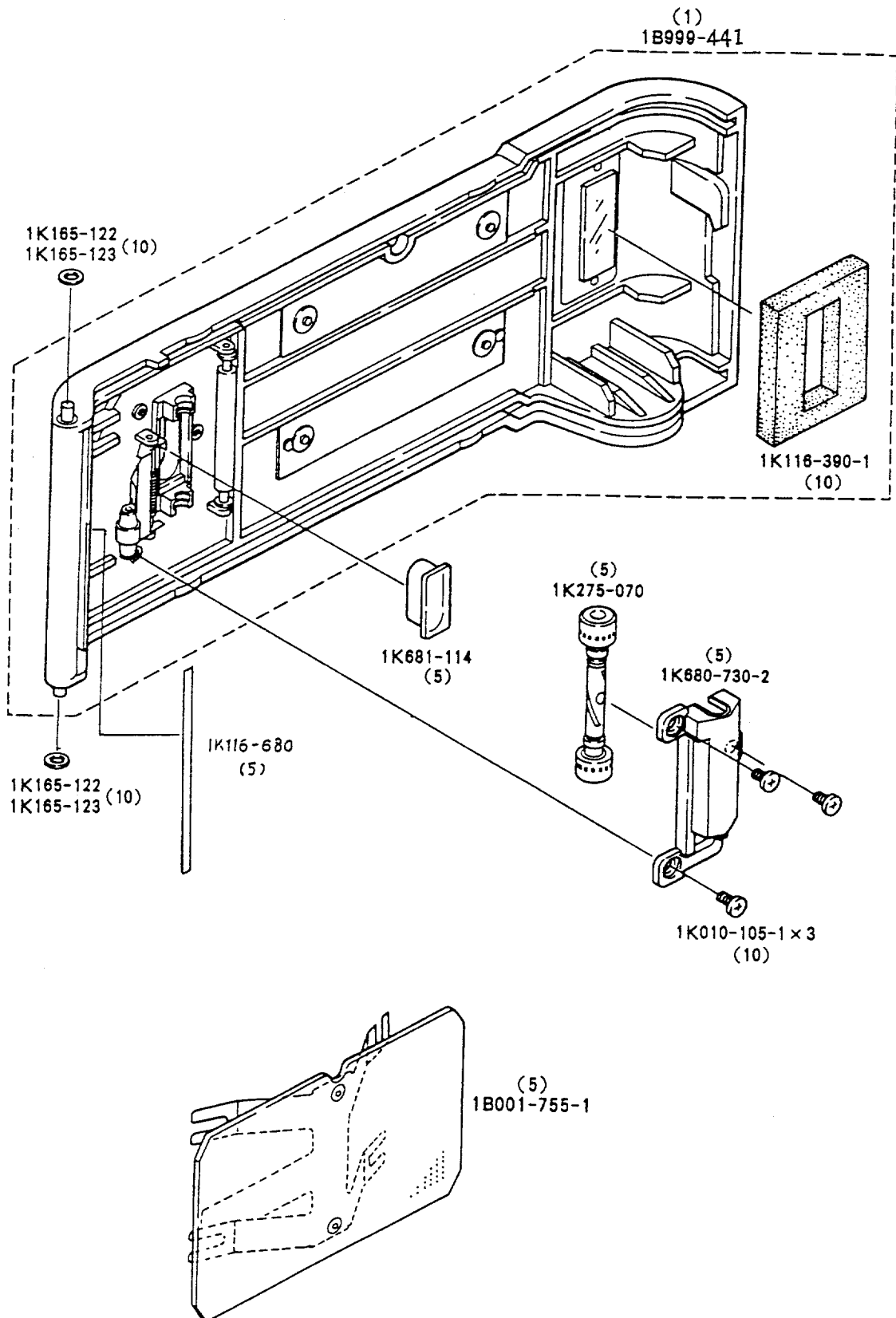


Fig. 13

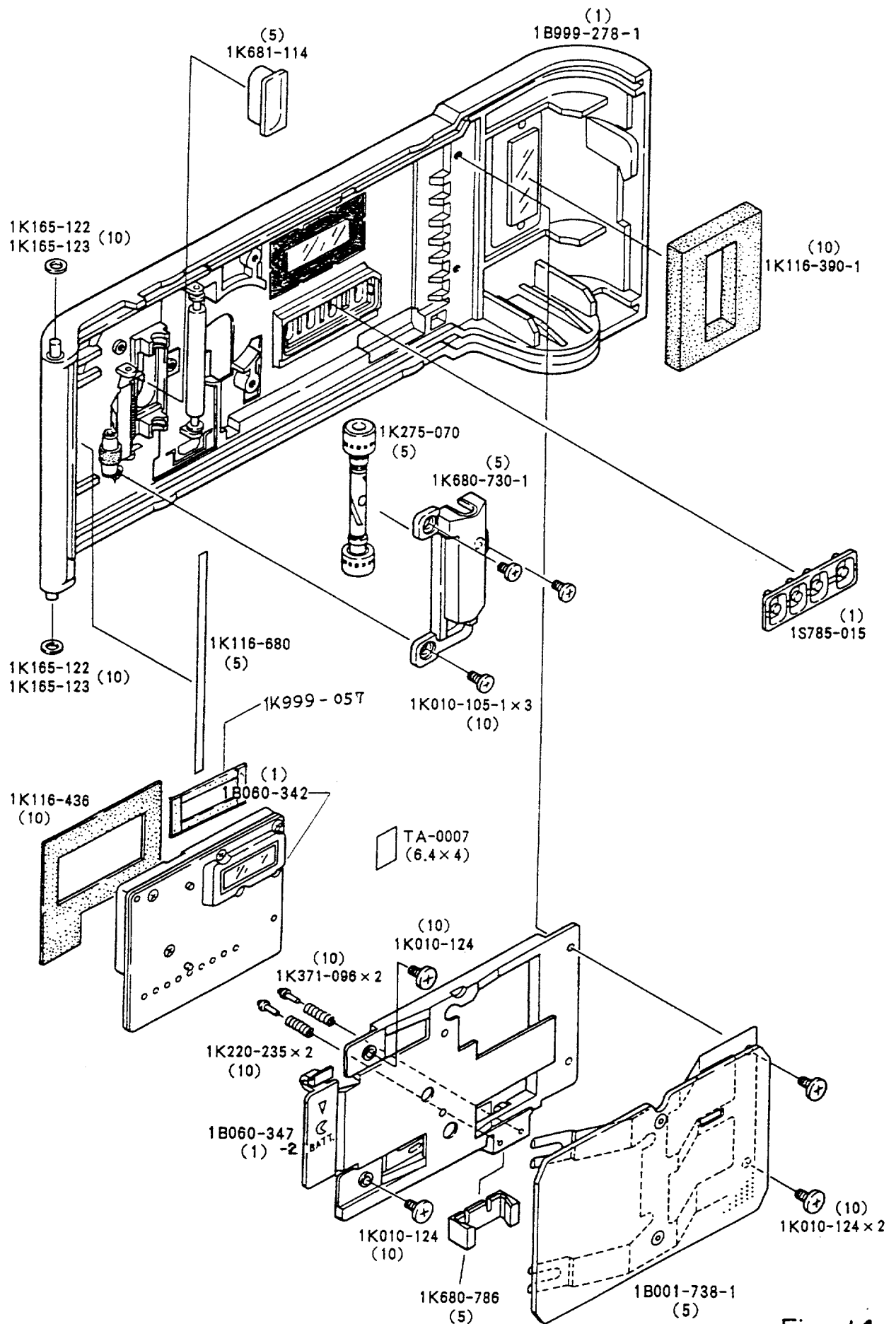


Fig. 14

部品表 Parts List

F-401s

FAA21052-R. 3264. B

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
*1K001-012	736	Screw	1		8	○	F-401	10
*1K010-002-1	725	Screw	2		6	○	F-501 F-401 RP-9006	10
1K010-192								
*1K010-059	514	Tダイヤルビス Screw, shutter dial	2	18999-276 18999-277 18999-279	10	○△	F-501 F-401	10
*1K010-060	701	Screw	3	18990-270	2	○△	F-501 F-401	10
*1K010-061	702	Screw	1		3	○	F-501 F-401	10
*1K010-063	705	Screw	1	18999-276 18999-277 18999-279	10	○△	F-501 F-401	10
*1K010-103	555	補強板ビス Screw, supporting plate	2	18999-276 18999-277 18999-279	9	○△	F-401	10
*1K010-104	561	ばね掛けヒンジビス Screw, spring hinge	1	18999-276 18999-277 18999-279	9	○△	F-401	10
*1K010-105-1	627	押さえモールドビス Screw	3		13	○	F-401	10
*1K010-106	721	Screw	4		8	○	F-401	10
*1K010-123	735	Screw	1		11	○	F-401	10
*1K010-125	738	Screw	1		8	○	F-401	10
*1K010-131	728	ストロボケース 取付ビス Screw, flash unit fitting	3	18999-276 18999-277 18999-279	9	○△	F-401	10
*1K010-132	739	Screw	2	18999-276 18999-277 18999-279	10	○△	F-401	10
*1K050-022	761B	チリトリ用調整ワッシャー Washer, mirror holder t=0.2	0-1		5	○	F-501 F-401	10
*1K050-029	781A	プリズムBOXワッシャー Washer, pentaprism t=0.05	0-4		6	○	F-501 F-401	10

部品表 Parts List

FAA21052-R. 3264. B

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
*1K050-030	781B	プリズムBOXワッシャー Washer, pentaprism t=0.06	0-4		6	○	F-501 F-401	10
*1K050-031-1	781C	プリズムBOXワッシャー Washer, pentaprism t=0.07	0-4		6	○	F-501 F-401	10
*1K050-032	781D	プリズムBOXワッシャー Washer, pentaprism t=0.08	0-4		6	○	F-501 F-401	10
*1K050-033	781E	プリズムBOXワッシャー Washer, pentaprism t=0.09	0-4		6	○	F-501 F-401	10
*1K050-034	781F	プリズムBOXワッシャー Washer, pentaprism t=0.1	0-4		6	○	F-501 F-401	10
*1K050-035	781G	プリズムBOXワッシャー Washer, pentaprism t=0.11	0-4		6	○	F-501 F-401	10
*1K050-036	781H	プリズムBOXワッシャー Washer, pentaprism t=0.12	0-4		6	○	F-501 F-401	10
*1K050-037	781I	プリズムBOXワッシャー Washer, pentaprism t=0.2	0-4		6	○	F-501 F-401	10
*1K050-038	781J	プリズムBOXワッシャー Washer, pentaprism t=0.3	0-4		6	○	F-501 F-401	10
*1K050-039	781K	プリズムBOXワッシャー Washer, pentaprism t=0.4	0-4		6	○	F-501 F-401	10
*1K050-040-1 (1K050-040)	781L	プリズムBOXワッシャー Washer, pentaprism t=0.5	0-4		6	○	F-501 F-401	10
*1K050-041	781M	プリズムBOXワッシャー Washer, pentaprism t=0.6	0-4		6	○	F-501 F-401	10
*1K050-042-1 (1K050-042)	781N	プリズムBOXワッシャー Washer, pentaprism t=0.7	0-4		6	○	F-501 F-401	10
*1K050-043-1 (1K050-043)	781O	プリズムBOXワッシャー Washer, pentaprism t=0.8	0-4		6	○	F-501 F-401	10
*1K050-044	781T	プリズムBOXワッシャー Washer, pentaprism t=0.9	0-4		6	○	F-501 F-401	10
*1K050-045-1 (1K050-045)	781P	プリズムBOXワッシャー Washer, pentaprism t=1	0-4		6	○	F-501 F-401	10
*1K050-046-1 (1K050-046)	781Q	プリズムBOXワッシャー Washer, pentaprism t=1.1	0-4		6	○	F-501 F-401	10

部品表 Parts List

FAA21052-R. 3264. B

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
*1K050-047-1 (1K050-047)	781R	プリズムBOXワッシャー Washer, pentaprism t=1.2	0-4		6	○	F-501 F-401	10
*1K050-048	781S	プリズムBOXワッシャー Washer, pentaprism t=0.03	0-4		6	○	F-501 F-401	10
*1K050-112	761C	チリトリ用調整ワッシャー Washer, mirror holder t=0.3	0-1		5	○	F-501 F-401	10
*1K050-144	761A	チリトリ用調整ワッシャー Washer, mirror holder t=0.1	0-1		5	○	F-501 F-401	10
*1K050-284	650	スプロケットガタ取りワッシャー Washer t=0.2	1		3	○	F-401	10
*1K060-003	753	Eリング E ring	2		4	○	F-401	10
*1K060-005-1	596	Eリング E ring	1	18999-276 18999-277 18999-279	10	○△	F-401	100
*1K060-045	531	CE リング CE ring	1	18999-276 18999-277 18999-279	9	○△	F-401	10
*1K083-121	263	電池シール Battery seal	1	18999-109	12	○△	F-401	10
*1K115-993-1	206	フィルムマーク Film leader index	1		11	○	F-501 F-401	5
*1K116-382-1 (1K116-382)	328	I 基板植毛紙 Flocked sheet, I base plate	1		5	○	F-401	5
*1K116-383	417	ミラー受けモルトA Sponge, mirror holder A	1		4	○	F-401	10
*1K116-384-1 (1K116-384)	418	L 基板植毛紙 Flocked sheet, L base plate	1		5	○	F-401	5
*1K116-385	422	接眼視野枠 Eyepiece mask	1		6	○	F-401	5

部品表 Parts List

FAA21052-R. 3264. B

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
*1K116-386	428	ペンタ保護シート Pentaprism protection sheet	1		6	○	F-401	5
*1K116-387	432	接眼ゴム Eyepiece rubber	1		11	○	F-401	5
*1K116-389-1 (1K116-389)	585	防滴カバー Drip-proof cover	1	18999-276 18999-277 18999-279	10	○△	F-401	10
*1K116-390-1 (1K116-390)	607	F窓モルト Sponge, film cartridge window	1	18999-275 18999-278	13	○△	F-401	10
*1K116-391	957	切換レバー飾り板 Switching lever plate	1		11	○	F-401	10
*1K116-410	532	ゴム蓋 Rubber lid	2	18999-276 18999-277 18999-279	10	○△	F-401	10
*1K116-432	674	両面テープ (グリップ) Double coated adhesive tape	1		11	○	F-401	10
*1K116-437	419	ミラー受けモルトB Sponge, mirror holder Btape	1		4	○	F-401	10
*1K116-457-1 (1K116-457)	678	両面テープ Double coated adhesive tape	1		11	○	F-401	10
*1K116-458	679	両面テープ Double coated adhesive tape	1		11	○	F-401	10
*1K116-459	435	押さえ板 Plate	1		6	○	F-401	10
*1K116-465	423	接眼押さえ板 Plate	1		6	○	F-401	10
*1K116-497	265	モルト Cushion	1	18999-109	12	○△	F-401	10
*1K116-680	692	植毛紙 Flocked sheet	1	18999-275	13 14	○△	F-401 RP-9014 F-40120	5

部品表 Parts List

FAA21052-R. 3264. B

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
1K116-916	535	キズ防止シート Protective sheet	1	18999-276 18999-277 18999-279	10	○△	RP-8902	10
1K116-917	676	アクリル カバー用 両面テープ Double coated adhesive tape	1	18999-276 18999-277 18999-279	10	○△	RP-8902	10
*1K120-019	925	モーター取付ビス Screw, motor fixing	2	18990-261	4	○△	F-501 F-401	10
*1K120-061	824	Screw	4		6	○	F-401	10
*1K120-078	134	枚数計ビス Screw, frame counter	1		3	○	F-501 F-401	10
*1K120-102-1	726	Screw	4	18990-266	4	○△	F-401	10
*1K120-106	724	Screw	3	18990-261	4, 5	○△	F-401	5
*1K120-195	74	基準軸ビス Screw	1		3	○	F-501 F-401	10
*1K120-206	813	Screw	2		7	○	F-501 F-401	10
*1K120-226	734	Screw	1		8	○	F-501 F-401	10
*1K120-245-1	722	Screw	2		8	○	F-401	10
*1K120-247	732	Screw	3		5, 7	○	F-401	10
*1K120-248	741	Screw	2	18999-276 18999-277 18999-279	10	○△	F-401	10
*1K120-249	926	A F 基板ビス Screw AF base plate	1		4	○	F-401	10
*1K120-255	859	Screw	1		5	○	F-401	10
*1K120-263	817	Screw	2		12	○	F-401	10

部品表 Parts List

FAA21052-R. 3264. B

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
*1K120-267	742	Screw (EPC押さえビス (巻き戻し側))	2		8	○	F-401	10
*1K123-002	821	Screw	1	18001-716	3	○△	F-401	10
*1K123-157 (1K123-046)	729	Screw	4		5	○	F-401	10
*1K123-158 (1K123-104-1)	730	Screw	1		5	○	F-401	10
*1K123-118-1 (1K123-118)	405	AM-200調整用ビス Screw, AM-200 adjustment	3		7	○	F-401	10
*1K126-063	34	レールビス Screw	1		11	○	F-401	10
*1K130-163	723	Screw	2		5	○	F-401	50
*1K130-249 1K130-442	727	Screw	3		5	○	F-501 F-401 RP-9014	5
*1K130-258-1 (1K130-258)	708	Screw	2	18990-270	2	○△	F-501 F-401	10
*1K130-318-2 (1K130-318)	444	レンズ着脱ボタン軸 Axle, lens release button	1		4	○	F-401	10
*1K130-321	733	Screw	1		5	○	F-401	10
*1K146-113-2	543	チューブビス Screw	1	18999-276 18999-277 18999-279	9	○△	F-401	10
*1K165-095	174	カウンターワッシャー Washer, frame counter	1		8	○	F-501 F-401	5
*1K165-122	651A	裏蓋用ワッシャー t=0.2 Camera back washer	0-2		13	○	F-401	10
*1K165-123	651B	裏蓋用ワッシャー t=0.13 Camera back washer	0-2		13	○	F-401	10
*1K206-046	221	裏蓋開閉キー Camera back open/close key	1		11	○	F-401	5
*1K146-082	771	カップリンク 調整用ネジ Coupling adjustment screw	1		4	○	F-801 RP8909	5

部品表 Parts List

FAA21052-R. 3264. B

部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分 個数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
*1K206-047	956	A F-M切り換えレバー AF mode switch lever	1		8	○	F-401	5
*1K208-080	440	レンズ着脱ボタン飾り環 Ring, lens release button	1		4	○	F-401	5
*1K208-081	452	A Eロックボタン AE lock button	1		8	○	F-401	5
*1K208-082-1 (1K208-082)	581	Rボタン Film rewind button	1	18999-276 18999-277 18999-279	10	○△	F-401	5
*1K208-083-1 (1K208-083)	582	Rロックレバー Film rewind lock lever	1	18999-276 18999-277 18999-279	10	○△	F-401	5
*1K208-084	591	ストロボスイッチボタン Flash switch button	2	18999-276 18999-277 18999-279	9	○△	F-401	5
1K208-089-1 (1K208-089)	595	ストロボ操作ボタン Flash setting button	2	18999-276 18999-277 18999-279	9	○△	F-401	5
1K208-128-1	519	ロックボタン Lock button	1	18999-276 18999-277 18999-279	10	○△		5
*1K208-129	592	リリースボタン Shutter release button	1	18999-276 18999-277 18999-279	10	○△		5
*1K220-041	446	レンズ着脱ピンバネ Spring, lens release pin	1		4	○	F-501 F-401	10
*1K220-166-1 (1K220-166)	64	スプロケットバネ Sprocket spring	1		3	○	F-501 F-401	5
*1K220-201-1	445	レンズ着脱鉛軸バネ Spring, lens release button axle	1		4	○	F-501 F-401	5
*1K220-213	222	Spring	1		11	○	F-401	5
*1K220-217	406	AM-200調整バネ Spring, AM-200 adjustment	3		7	○	F-401	10
*1K220-218	584	Rロックバネ Spring, film rewind lock	1	18999-276 18999-277 18999-279	10	○△	F-401	10
*1K220-219	590	リリースボタンバネ Spring, shutter release button	1	18999-276 18999-277 18999-279	10	○△	F-401	10

部品表 Parts List

FAA21052-R. 3264. B

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
*1K220-220	593	操作ボタン戻しバネ Reset spring	2	18999-276 18999-277 18999-279	9	○△	F-401	10
*1K220-230	262	電池蓋開閉鍵バネ Spring, battery chamber lid lock	1		12	○	F-401	10
*1K225-101-2 (1K225-101)	310	絞りレバーバネ Aperture lever actuating spring	1		5	○	F-501 F-401	10
*1K225-153-2 (1K225-153)	304	ミラーアップバネ Mirror-up spring	1		5	○	F-401	10
*1K225-154	306	絞りレバー戻しバネ Aperture lever reset spring	1		5	○	F-401	10
*1K225-155	376	リセットレバー戻しバネ Spring, reset lever	2	18990-266-1	6	○△	F-401	10
*1K225-156-1 (1K225-156)	392	Sセットレバー戻しバネ Spring, shutter set lever	1		5	○	F-401	10
*1K225-157	465	FM INスイッチバネ Spring, FM IN switch	1		5	○	F-401	10
*1K230-156-1	102	スプールフリクションバネ Spool friction spring	1	18990-271	3	○△	F-401	5
*1K230-197-1 (1K230-197)	55	Sチャージバネ Shutter charge spring	1	18990-270	2	○△	F-501 F-401	5
*1K230-212	135	巻き上げ制限SWバネ Spring, film advance limiter switch	1		3	○	F-401	10
*1K230-213-2 (1K230-213)	136	カウンターSWバネ Spring, frame counter switch	1		3	○	F-401	10
*1K230-216	204	フィルムガイド板バネA Spring, A, film guide plate	1		2	○	F-401	10
*1K230-217	205	フィルムガイド板バネB Spring, B, film guide plate	1		2	○	F-401	10
*1K230-218	307	ミラー駆動バネ Mirror driving spring	1		5	○	F-401	10
*1K230-220	375	オーバーチャージバネ Over-charge spring	1	18990-266-1	6	○△	F-401	10
*1K230-209	99	オーバーラン防止レバーバネ Driving lever spring		18990-271	3	○△	F-401 RP-9001	5

部品表 Parts List

FAA21052-R. 3264. B

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
*1K230-222	410	ミラーダウンバネ Mirror-down spring	1		5	○	F-401	10
*1K230-223	564	コイルバネ Coil spring	1	18999-276 18999-277 18999-279	9	○△	F-401	10
*1K230-159	133	カウンターバネ Frame counter spring	1		3	○	F-401 F-501	10
*1K233-049-2 (1K233-049-1)	424	スクリーンバネ Focusing screen spring	1		6	○	F-401	10
*1K233-050-1 (1K233-050)	427	ペンタ押さえバネ Pentaprism retaining spring	1		6	○	F-401	5
*1K233-052	337	サブミラーバネ Sub mirror spring	1	18990-265	5	○△	F-501 F-401	5
*1K240-468-4 (1K240-468-2)	472	バヨネットバネ Bayonet ring spring	1		5	○	F-501 F-401	5
*1K240-501-1 (1K240-501)	142	Rセット板バネ Leaf spring	1	18001-716-3	3	○△	F-401	10
*1K240-502-2	145	巻き戻しスイッチバネ Spring, film rewind switch	1		8	○	F-401	5
*1K240-505	217	バトロネ押さえバネ Spring, film cartridge retaininer	1		1	○	F-401	5
*1K240-506	258	電池接点バネ Battery contact spring	1	18999-109	12	○△	F-401	10
*1K240-510-2 (1K240-510)	518	T. FDダイヤル板ばね Plate, shutter and aper ture dial	1	18999-276 18999-277 18999-279	10	○△	F-401	5
*1K240-516	573	シュー座 Accessory shoe base	1	18999-276 18999-277 18999-279	9	○△	F-401	5
*1K240-517-1 (1K240-517)	576	裏押さえ板 Rear retainer plate	1	18999-276 18999-277 18999-279	9	○△	F-401	5
1K240-712-1 (1K240-712)	526	ロックバネ A Lock spring A	1	18999-276 18999-277 18999-279	10	○△		5
1K240-713	527	ロックバネ B Lock spring B	1	18999-276 18999-277 18999-279	10	○△		5

部品表 Parts List

FAA21052-R. 3264. B

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
*1K260-307-2 (1K260-307-1)	62	スプロケット軸 Sprocket shaft	1		3	○	F-401	5
*1K260-314-1 (1K260-314)	194	巻き戻しギアD Film rewind gear D	1		12	○	F-401	5
*1K260-319	909	A Fカップリングギア AF coupling gear	1	18990-261	4	○△	F-401	5
*1K260-320	910	第4アイドルギア 4th idle gear	1	18001-710-1	4	○△	F-401	5
*1K260-322	918	インタラプタアイドルギア Interrupter idle gear	1	18990-261	4	○△	F-401	5
*1K260-323-1	920	インタラプタギア Interrupter gear	1	18001-710	4	○△	F-401	5
*1K275-051	59	スプール Spool	1	18990-270	2	○△	F-401	5
*1K275-052	61	スプロケット Sprocket	1		3	○	F-401	5
*1K275-053-1 (1K275-053)	129	カウンターメモリー板 Frame counter ratchet	1		3	○	F-401 RP-9043	5
*1K275-058	119	スプールのラッチ Spool clutch	1	18990-271	3	○△	F-401	5
*1K275-070	623	F ローラー Film roller	1		13	○		5
*1K277-053	911	第3アイドルギア 3rd idle gear	1	18001-710-1	4	○△	F-401	5
*1K277-065	47	減速ギア Speed reduction gear	1	18990-270	2	○△	F-401	5
*1K277-066	48	減速ギア Speed reduction gear	1	18990-270	2	○△	F-401	5
*1K277-067	49	減速ギア Speed reduction gear	1	18990-270	2	○△	F-401	5
*1K277-068	50	減速ギア Speed reduction gear	1	18990-270	2	○△	F-401	5

部品表 Parts List

FAA21052-R. 3264. B

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
*1K300-076	955	A F. M切り換えモールド AF mode switch mold	1		4	○	F-401	5
*1K314-292-1 (1K314-292)	257	電池接点板 Battery contact plate	1	18999-109	12	○△	F-401	5
*1K314-286-2	98	オーバーラン防止爪 Overrun prevention lever	1	18990-271	3	○△	F-401	5
*1K340-124-1	66	スプロケット下軸受け Bearing, sprocket lower shaft	1		3	○	F-501 P-401	5
*1K360-028	261	電池蓋軸 Battery chamber lid axle	1	18001-705 18999-109	12	○△	F-401	10
*1K371-040	203	フィルムガイド板軸 Film guide plate shaft	1		2	○	F-401	5
*1K371-058-1 (1K371-058)	443	レンズ着脱軸 Lens release shaft	1		4	○	F-401	10
*1K371-060-1 (1K371-060)	544	ヒンジB Hinge B	1	18999-276 18999-277 18999-279	9	○△	F-401	10
*1K371-062-1 (1K371-062)	598	制限ピン Stopper pin	2	18999-276 18999-277 18999-279	9	○△	F-401	10
*1K371-069	927	A Fカップリング軸 AF coupling shaft	1	18990-261	4	○△	F-501	5
*1K371-097-2 (1K371-097)	164	F検出スイッチピン Film detection switch pin	1		1	○	F-401	5
*1K404-086	471	バヨネット Bayonet	1		5	○	F-401	1
*1K406-030-1 (1K406-030)	571	シュー Accessory shoe	1	18999-276 18999-277 18999-279	9	○△	F-401	5
*1K460-012	431	接眼モールド Eyepiece cap	1		11	○	F-401	1
*1K470-069	425	視野枠 Viewfield frame	1		6	○	F-401	5
1K475-432	511	Tダイヤル Shutter dial	1	18999-276 18999-277 18999-279	10	○△		5
*1K370-794-1	87	オーバーラン防止軸 Driving lever shaft	1	18990-271	3	○△	F-401 RP-9001	5

部品表 Parts List

FAA21052-R. 3264. B

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
1K475-433	515	Fダイヤル Aperture dial	1	18999-276 18999-277 18999-279	10	○△		5
*1K600-619	152	圧接押さえゴム Rubber, press-contact retaining	1		7	○	F-401	5
*1K600-620-1 (1K600-620)	154	圧接押さえ板 Press-contact retaining plate	1		7	○	F-401	5
*1K600-621	442	レンズ着脱板 Lens release plate	1		4	○	F-401	5
*1K600-721	233	アース用ラグ板 Lug plate	1		1	○	F-401	5
1K600-919	528	接着補強板 Reinforcing plate	1	18999-276 18999-277 18999-279	10	○△		5
*1K607-018	201	ガイド板軸受けカラー Guide plate bearing collar	1		2	○	F-401	5
*1K610-916-2 (1K610-916)	143	Rセットスイッチバネ押さえ Spring retainer	1	18001-716-4	3	○△	F-401	1
*1K610-917	151	フレキ裏打ち板 FPC rear plate	1		7	○	F-401	1
*1K610-921	208	フィルムガイド押さえ板 Retainer plate	1	18001-718	2	○△	F-401	5
*1K610-922	212	DX接点ガイド板 DX contact guide plate	1		1	○	F-401	5
*1K610-923-1 (1K610-923)	232	吊り環 (巻き上げ側) Neckstrap ring (Film advance side)	1		1	○	F-401	5
*1K610-926-1 (1K610-926)	320	I基板L基板支え板 Supporting plate	1		5	○	F-401	1
*1K610-934-1 (1K610-934)	415	遮光板 Light baffle plate	1		7	○	F-401	5
*1K610-935-1 (1K610-935)	426	ペンタ押さえ板 Pentaprism retainer	1		6	○	F-401	5

部品表 Parts List

FAA21052-R. 3264.B

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
*1K610-936	436	S P D押さえ板 SPD retainer	1		6	○	F-401	5
*1K610-938	560	S B遮光板 Shading frame	1	18990-274-1	9	○△	F-401	5
*1K610-939-1 (1K610-939)	583	Rロック板 Lock plate	1	18999-276 18999-277 18999-279	10	○△	F-401	5
*1K610-954	255	電池接点板B Battery contact plate B	1	18999-109	12	○△	F-401	5
1K611-374	529	ロックバネ部カバー板 Lock spring cover plate	1	18999-276 18999-277 18999-279	10	○△		5
*1K625-066-1 (1K625-066)	231	吊り環 (巻き戻し側) Neckstrap ring (Film rewind side)	1		1	○	F-401	5
*1K625-067	237	D B接点目隠しモールド Data back contact cover	1		1	○	F-401	5
*1K640-636	923	カップリングカラー Coupling collar	1	18990-261	4	○△	F-401	5
*1K640-722	60	スプール上座 Spool upper cover	1		2	○	F-401	5
*1K670-080	22	エプロン Apron	1		8	○	F-401	1
*1K670-083-2 (1K670-083)	421	プリズムBOX Pentaprism box	1		6	○	F-401	1
1K670-121-1 (1K670-121)	520	ダイヤルカバー Dial cover	1	18999-276 18999-279	10	○△		1
(FAA21152) 1K670-123-1 (1K670-123)	520	ダイヤルカバー Dial cover	1	18999-277	10	○△	For U. S. A. RP-8702	5
*1K680-716	218	フィルムガイド押さえ板 Film guide retainer plate	1		1	○	F-401 F-801	5
*1K680-717	220	裏蓋鍵カバー Camera back key cover	1		11	○	F-401	1
*1K680-725	558	プロテクター Protector	1	18990-274-1	9	○△	F-401	5

部品表 Parts List

FAA21052-R. 3264. B

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
*1K680-727	588	枚数計窓 Frame counter window	1	18999-276 18999-277 18999-279	10	○△	F-401	5
1K680-730-2 (1K680-730-1)	626	給送シグナル Film advance indicator	1		13	○		5
*1K680-731	38	リリースカバー Shutter release button cover	1		11	○	F-401	5
*1K680-736-1 (1K680-736)	389	Mg カバー Mg cover	1	18990-266-1	6	○△	F-401	5
*1K680-761	36	保護カバー板 Protector plate	1		11	○	F-401 RP-8702	1
1K681-112	37	グリップゴム Rubber, grip	1		11	○		5
1K681-113	542	ストロボ上カバー Upper flash cover	1	18999-276 18999-277 18999-279	9	○△		1
1K681-114	624	フィルム給送シグナル窓 Film advance indicator window	1		13	○		5
*1K999-020	556	リフレクター Reflector	1	18060-340 18990-274-1	9	○△	F-401	5
*1K999-049		カウンターメモリ板(4駒用)	1		3	○	F-401 RP-8725 RP-9043	5
1K999-100		羽根バネ A Curtain spring A	1	18990-278-1	0	○△	RP-9136	5
1K999-101		羽根バネ B Curtain spring B	1	18990-278-1	0	○△	RP-9136	5

部品表 Parts List

FAA21052-R. 3264. B

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
*1S125-020-1	1041	PNPパワートランジスタ (2SB1121) Power transistor	4	18990-276	7	○△	F-401	5
*1S125-028	1044	抵抗内蔵トランジスタ (FNIA4P) Desital transistor	1	18990-276	7	○△	F-401	5
*1S135-019-1	1042	NPNパワートランジスタ (2SD1621) Power transistor	4	18990-276	7	○△	F-401	5
*1S162-001-1	1036	EEP ROM (CK1005M)	1	18990-276	7	○△	F-401	5
*1S205-033	1034	I/F IC (MB4436)	1	18990-276	7	○△	F-401	5
*1S237-050	1032	H AMP (M51063)	1	18990-276	7	○△	F-401	5
*1S237-051-1 (1S237-051)	1033	MO IC (M51066FP)	1	18990-276	7	○△	F-401	5
*1S250-012	1026	S AMP SPD	1		6	○	F-401	5
*1S258-003	1022	フォトインタラプタ (INT-107M-8) Photo interruptor	2	18990-276	7	○△	F-401	5
*1S260-032	1023	LEDアレイ LED array	1		7	○	F-401	5
*1S260-033	1024	セルフLED Self-timer LED	1	18990-276	7	○△	F-401	5
*1S345-035	1112	メインコンデンサ 330V 240μF Main condenser	1		1	○	F-401	5
*1S380-007	1038	リチウムナイオベート振動子 (8MHz) Oscillator	1	18990-276	7	○△		5
*1S430-018	589	ダブルスイッチ Double switch	1	18990-276	7	○△	F-401	5
*1S700-186	586	セルフプリント板 Self-timer printed board	1	18999-276 18999-277 18999-279	10	○△	F-401	5
*1S758-010	453	AEロックスイッチ AE lock switch	1		8	○	F-401	5
1S135-034		シャッターマフネット制御用Tr Tr to control shutter Mg	2		7	○△	RP-8909	5
*1S226-009	1037	リセットIC (M51943) IC	1		7	○△	RP-8909	5
*1S335-091	1073	セラミックコンデンサ 0.01μF Condenser	1		7	○△		5

部品表 Parts List

FAA21052-R. 3264. B

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
*1S758-011-1 (1S758-011)	509	セルフボタンゴム Self-timer button rubber	1	18990-276 18990-277 18990-279	10	○△	F-401	5
*1S760-005-1	355	絞り制御 Mg Aperture control magnet	1	18990-266-1	6	○△	F-401	5
*1S340-057	1061	チップコンデンサ 10μF Condensers	2	18990-276-1	7	○△	F-401 RP-9006	5
*1S340-104	1070	コンデンサ 10μF Condensers	1	18990-276-1	7	○△	F-401 RP-9006	5
1S810-891	1121	Lead wire (Red) L=118	1			×	W-0120RE	
1S810-892	1122	Lead wire (Yellow) L=110	1	18990-273		△	W-0120YE	
1S810-893	1129	Lead wire (Blue) L=135	1	18990-278		△	W-0056BE	
1S810-896	1137	Lead wire (Gray) L=85	1	18999-276 18999-277 18999-279		×	W-0056GY	
1S810-897	1138	Lead wire (Red) L=30	1	18990-266-1		△	W-0056RE	
1S810-898	1139	Lead wire (Blue) L=35	2	18990-260		△	W-0056BE	
1S810-899	1140	Lead wire (Brown) L=40	1	18990-266-1		△	W-0056BN	
1S810-900-1	1141	Lead wire (Purple) L=80	1	18990-260		△	W-0056PU	
1S810-903-1	1145	Lead wire (Orange) L=38	1	18990-281		△	W-0056OR	
1S810-904-1	1146	Lead wire (Blue) L=38	1	18990-281		△	W-0056BE	
1S810-905-1	1147	Lead wire (Brown) L=42	1	18990-281		△	W-0056BN	
1S810-907	1148	Lead wire (Gray) L=35	1	18060-333		△	W-0056GY	
1S810-907	1150	Lead wire (Red) L=75	2	18990-278		△	W-0056RE	

部品表 Parts List

FAA21052-R. 3264. B

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
1S810-908	1151	Lead wire (Black) $\ell=80$	1	18990-278		Δ	W-0056BK	
1S810-909	1153	Lead wire (White) $\ell=180$	1	18990-278		Δ	W-0056WH	
1S810-910	1154	Lead wire (Purple) $\ell=190$	1	18990-278		Δ	W-0056PU	
1S810-911	1155	Lead wire (Yellow) $\ell=80$	1	18990-278		Δ	W-0056YE	
1S810-912	1156	Lead wire (Gray) $\ell=105$	1	18990-278		Δ	W-0056GY	
1S810-913	1157	F 検知コード (Black) $\ell=25$ Lead wire	1	18990-282		Δ	W-0056BK	
1S810-914	1158	Lead wire (Green) $\ell=55$	1	18990-282		Δ	W-0056GN	
1S810-916	1160	Lead wire (Orange) $\ell=60$	2	18060-339-2		Δ	W-0056OR	
1S810-917	1161	Lead wire (Brown) $\ell=60$	1	18060-337		Δ	W-0056BN	
1S810-918	1162	Lead wire (Gray) $\ell=60$	1	18060-338-2		Δ	W-0056GY	
1S810-919	1163	Lead wire (Pink) $\ell=60$	1	18060-337		Δ	W-0056PK	
1S810-920	1164	Lead wire (Black) $\ell=60$	3	18060-339-2 18999-276 18999-277 18999-279		Δ	W-0056BK	
1S810-922	1166	Lead wire (Yellow) $\ell=60$	1	18999-276 18999-277 18999-279		Δ	W-0056YE	
1S810-925	1169	Lead wire (Brown) $\ell=90$	1	18999-276 18999-277 18999-279		Δ	W-0056BN	
1S810-926	1170	Lead wire (Yellow) $\ell=90$	2	18999-276 18999-277 18999-279		Δ	W-0056YE	
1S810-929	1173	Lead wire (Purple) $\ell=55$	1	18060-338-2		Δ	W-0056PU	

部品表 Parts List

FAA 21052-R. 3264. B

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
1S810-930	1181	Lead wire (Black) $\ell=60$	1	1B990-267		Δ	W-0056BK	
1S810-931	1182	Lead wire (Green) $\ell=60$	1	1B990-267		Δ	W-0056GN	
1S810-932	1183	Lead wire (Yellow) $\ell=60$	2	1B990-267		Δ	W-0056YE	
1S810-933	1184	Lead wire (Orange) $\ell=60$	1	1B990-267		Δ	W-0056OR	
1S810-934-1	1185	Lead wire (Red) $\ell=60$	1	1B990-267		Δ	W-0056RE	
1S810-948	1174	Lead wire (Orange) $\ell=25$	1	1B990-283		Δ	W-0056OR	
1S810-950	1176	Lead wire (Green) $\ell=25$	1	1B999-108		Δ	W-0056GN	
1S810-969-2	1196	Lead wire (Green) $\ell=90$	1			\times	W-0056GN	
1S810-970-2	1197	Lead wire (Orange) $\ell=85$	1			\times	W-0056OR	
1S870-989	1190	Lead wire (Grey) $\ell=90$	1			\times	W-0056GY	
1S870-005-1	1191	シールド付単芯電線 Shield lead wire (Grey) $\ell=152$	1			\times	W-0056GY	
1S999-005	559	Xe 管 Xe tube	1	1B060-340 1B990-274	9	Δ	F-401	5
*1S999-006	1201	トリガーコイル Trigger coil	1	1B990-274	9	$\bigcirc\Delta$	F-401	5
1S999-023-1 (1S999-023)	2	CPU (HD637B05ZA50)	1	1B990-276	7	$\bigcirc\Delta$		5
*1S999-056		CPU	1		7	\bigcirc	RP-903j	1

部品表 Parts List

FAA21052-R. 3264. B

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
A1-14014FB	812	Screw	2	18990-271	7	○		50
A1-14030FB	838	Screw	2	18990-266-1	6	○△		50
A1-14025FA	839	Screw	1	18990-266-1	6	○△		50
A1-17018FB	825	Screw	4		5	○		50
A1-17020FS	830	Screw	4		8.12	○		50
A1-17022FB	851	Screw	3		6	○		50
A1-17025PB	845	Screw	3			○		50
A1-17035FB	823	Screw	1		4	○		50
A1-17050FS	865	Screw	2		11	○		50
A1-20020FD	832	Screw	1		8	○		50
A1-20050FD	806	Screw	1		1	○		50
A2-17020FB	808	Screw	1		5	○		50
B1-14030FD	833	Screw	2		4	○		50
B1-14018FA	820	Screw	3		8	○		50
B1-17028FA	577	Screw	4	18999-276 18999-277 18999-279	9	○△		50
B1-17030FB	831	Screw	1		4	○		50
G1-14020FA	868	Screw	1	18999-276 18999-277 18999-279	10	○△	RP-9014	50
H1-14025FA								

部品表 Parts List

FAA21052-R. 3264. B

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
G1-14040FD	731	Screw	1		1	○		50
G1-17025FD	804	Screw	2		1	○		50
G1-17028FA	802	Screw	2		1	○		50
G1-17030FS	863	Screw	2	18990-274-1	9	○△		50
G1-17035FA	818	Screw	1		3	○		50
G1-17035FD	835	Screw	3		1.3	○		50
G1-17035FS	829	Screw	3		11 12	○		50
G1-17045FA	840	Screw	1		11	○		50
G1-17050FS	803	Screw	5		11	○		50
G1-20035FD	815	Screw	2		1	○		50
G1-20040FD	816	Screw	3		12	○		50
G2-14025FB	836	Screw	1		7	○		50
G2-17035FS	828	Screw	1		12	○		50
G2-17035FA	869	Screw	1	18999-276 18999-277 18999-279	12	○		50
G2-17080FS	827	Screw	1		12	○		50
H1-14045FB	866	Screw	1		8	○		50
H1-17035FD	809	Screw	7		1.2 8	○		50

部品表 Parts List

FAA21052-R. 3264. B

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
H1-17040FA	807	Screw	3		3	○		50
H1-20050FD	810	Screw	4		1	○		50
H2-17035FA	819	Screw	1		3	○		50
K1-14020FB	942	Screw	1		4	○	RP-8909	50
S1-00700SY	752	E-ring	1	18990-261	4	○△		50
S1-01200SX	751	E-ring	6	18001-710-1 18990-261 18060-336 18990-270	2.4	△ and ○△		50
H1-14030FB	811	F 検SW取付けビス Screw	1		1	○		50
*1G308-011 (1G118-006)	G6	測光レンズ Metering lens	1		6	○	F-401	5
*1G308-010 (1G158-003)	G5	接眼レンズ Eyepiece lens	1		6	○	F-401	5
*1G415-009-1 (1G415-009)	G4	ペンタプリズム Pentaprism	1		6	○	F-401	1
*1G550-020	G2	サブミラー Sub-mirror	1	18990-265	5	○△	F-501 F-401	5
*1G571-002	G1	主ミラー Main mirror	1	18990-265	5	○△	F-401	5
*1G950-051-1	G3	フレネル Viewfinder screen	1		6	○	F-401	5

部組品表 Assembly List

FAA21052-R. 3264. B

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	大部組品番号 Main Assembly No. No.	参照 図番 Fig. No.	備 考 Remarks	要求単位 Q'ty per order
*18001-705-1 (18001-705)	B251	電池蓋 Battery chamber lid	1	18999-109	12	F-401	5
*18001-708-4 (18001-708-1)	B301	I 基板 Base plate I	1		5	F-401	1
*18001-709	B913	フリクションギア Friction gear	1	18990-261	4	F-401	5
*18001-710-1	B902	A F 駆動補助基板 AF driving assist base plate	1		4	F-401	1
*18001-711-1 (18001-711)	B944	A F シーソーレバー基板 AF seesaw lever base plate	1	18990-261	4	F-401	5
*18001-712-1 (18001-712)	B461	f min. SW	1		5	F-401	5
18001-716-7 (18001-716)	B121	土地基板 Film advance unit	1		3	RP-93F7 F-401 FAA26051 18990-718-2 にて対応方	1
*18001-717	B195	巻き戻しギア軸 Film rewind gear shaft	1		3	F-401	5
*18001-728-3 (18001-728)	B199	巻き戻しフォークベース Film rewind fork base	1		3	F-401 RP-9110	5
*18060-332	B924	A F モーター AF motor unit	1	18990-261	4	F-401	5
*18060-333	B503	A F - M 切り換えスイッチ AF mode switch	1		4	F-401	5
*18060-336	B32	モーター Motor unit	1		2	F-401	5
*18060-337-1 (18060-337)	B211	D X 接点 DX contact	1		1	F-401	5
*18060-338-2 (18060-338)	B521	X 接点部 X contact	1	18999-276 18999-277 18999-279	10	F-401	5
*18060-339-2 (18060-339)	B550	UP スイッチ UP switch	1	18999-276 18999-277 18999-279	10	F-401	5
*18060-340	B556	S B 発光部 Flash head	1	18999-276 18999-277 18999-279	9	F-401	1
*18001-755-1	B1603	圧板 Pressure plate	1		13	F-401 RP-8902 F-801	5

部組品表 Assembly List

FAA21052-R. 3264.B

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	大部組品番号 Main Assembly No.	参照 図番 Fig. No.	備 考 Remarks	要求単位 Q'ty per order
*18240-034-2 (18240-034-1)	B319	板ばね Leaf spring	1		5	F-401. F501	5
*18260-061-1 (18260-061)	B71	基準軸円盤 Reference shaft disk	1	18990-270	2	F-401	5
*18275-007-2 (18275-007)	B512	Tブラシ環 Shutter brush ring	1	18999-276 18999-277 18999-279	10	F-401	5
*18275-008-2 (18275-008)	B516	Fブラシ環 Aperture brush ring	1	18999-276 18999-277 18999-279	10	F-401	5
*18314-151	B52	シャッターチャージレバー Shutter charge lever	1		2	F-401	5
*18610-056	B413	ミラー軸調整板 Mirror axis adjustment plate	1		5		5
*18680-051-3 (18680-051)	B572	シューモールド Accessory shoe mold	1	18999-276 18999-277 18999-279	9	F-401 RP-8902	5
*18370-017	B72	基準軸円盤 Reference shaft disk	1		3	F-401	5
*18990-256	B26	前ボディ Front body	1		4.5	F-401	1
*18990-257	B341	L基板 Base plate L	1		5	F-401	1
*18990-258	B420	ミラーボックス底板 Mirror box bottom board	1		7	F-401	5
*18990-260	B463	f min. プリント板 f min. printed board	1		5	F-401	5
*18990-261	B901	A F 駆動基板 AF driving base plate	1		4	F-401	1
*18990-265	B2331	ミラー組品 Mirror unit	1		5	F-401	1
*18990-266-1	B2340	絞り制御部 Aperture control unit	1		6	F-401	1
*18990-267	B2474	A F 接点 2 AF contact 2	1		4	F-401	5

部組品表 Assembly List

FAA21052-R. 3264.B

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	大部組品番号 Main Assembly No.	参照 図番 Fig. No.	備 考 Remarks	要求単位 Q'ty per order
*18990-270	B41	M減速基板 Motor rotation reducing unit	1		2	F-401	1
*18990-271	B81	下地基板 Film advance mechanism unit	1		3	F-401	1
*18990-272	B176	巻き戻し基板 Film rewind base plate	1		12	F-401	1
*18990-273	B256	電池接点 Battery contact	1		1	F-401	5
*18990-274-1	B541	ストロボ下ケース Flash unit	1	18999-276 18999-277 18999-279	9	F-401	1
*18990-276	B2001	メインFPC Main FPC	1		7	F-401 RP-8925 RP-8941	1
18990-276-1							
*18990-278	B31	シャッター Shutter unit	1		1	F-401 RP-8925 RP-8927 RP-9237	1
18990-278-1							
*18990-280	B101	スプールギア Spool gear	1	18990-271	3	F-401	5
*18990-281	B922	フォトインタラプタ板バネ Photo interrupter leaf spring	1	18990-261	4	F-401	5
*18990-282	B161	F検出スイッチ部 Film detection switch unit	1		1	F-401	1
*18999-108	B1113	ストロボ基板 Flash base plate	1		1	F-401	1
*18999-109	B1024	底カバー Bottom cover	1		12	F-401	1
*18999-114	B1202	フィルムガイド Film guide	1		2	F-401	1
*18999-265		補強板A Support plate A	1	18999-276 18999-277 18999-279	9	F-401	5
*18999-266		補強板B Support plate B	1	18999-276 18999-277 18999-279	9	F-401	5
18060-328	B31	シャッター Shutter	1		1	F-401 RP-9237 F-401X	

FAA21052-R. 3264.B

- P25 - F 401c

FAA 21052-R. 3264. B

- P26 - F-401SD -

部品表 Parts List

F-410SD

FAA21252-R. 3264. B

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
*1K010-124	2643	DB止めビス Screw	4		14	○	F-40100 F-60100	10
1K116-680	692	植毛紙 Flocked sheet	1		14	○	F-40100 RP-8902 F-60100	5
*1K116-436	2659	液晶窓モルト Sponge, LCD-window	1		14	○	F-40100	10
*1K220-235	2645	接点バネ Contact spring	2		14	○	F-40100 F-60100	10
*1K371-096	2644	接点ピン Contact pin	2		14	○	F-40100 F-60100	10
*1K625-069	2237	DB目かくし板 Plate	1		1	○	F-40100 F-60100	10
*1K680-786	2646	接点蓋 Contact cover	1		14	○	F-40100 F-60100	5
1K999-057		タフロンテープ Tape	1		14	○	RP-9006	10
*1S705-083	3003	DB-FPC (ボディ側) DB-FPC (Body side)	1		1	○	F-40100	1
*1S758-015	2647	導電ゴム SW Rubber SW	1		14	○	F-40100	1

FAA 21252-R. 3264.B

- P28 • F-401SD -